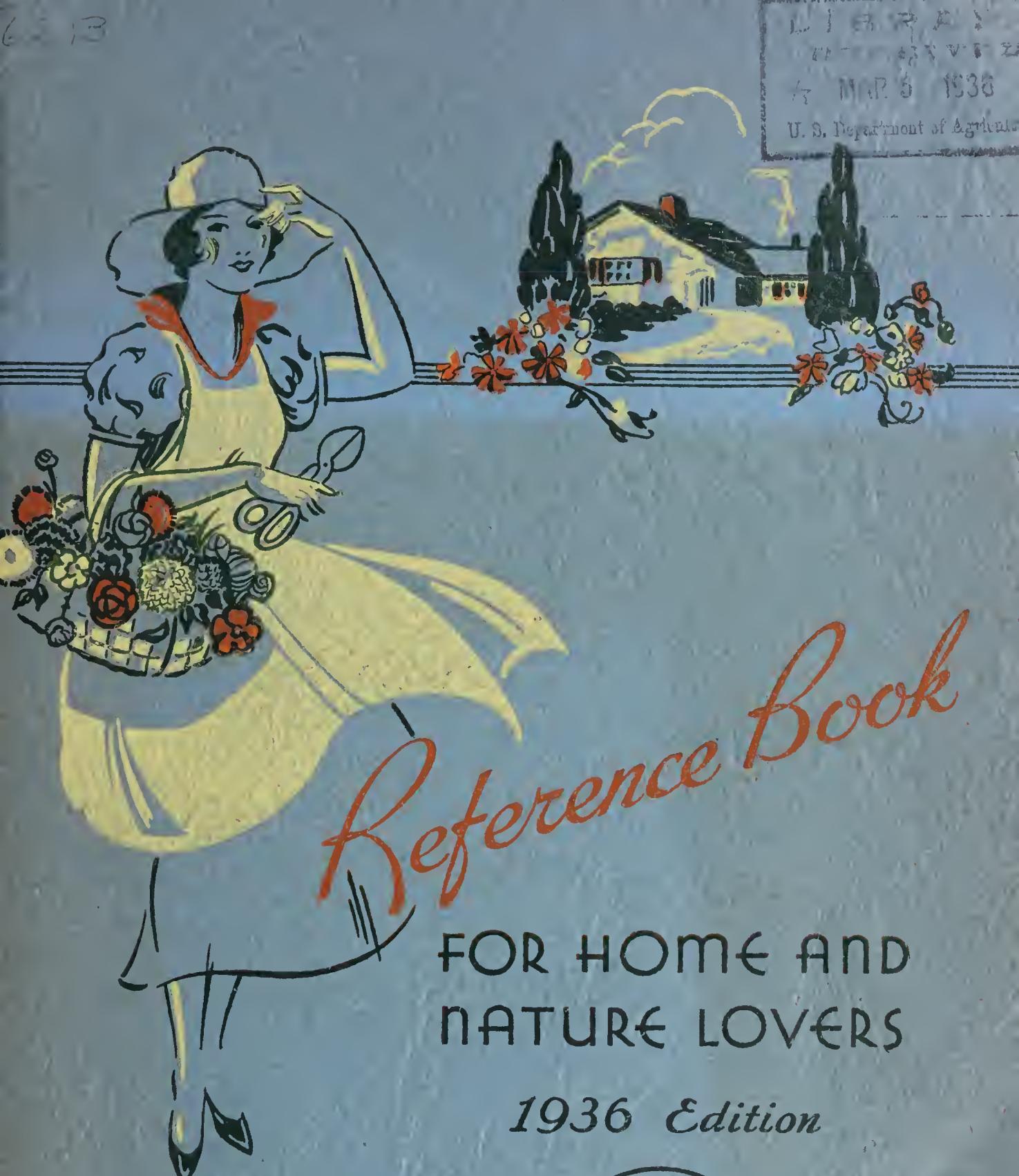
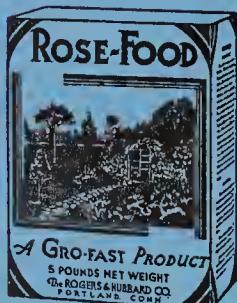
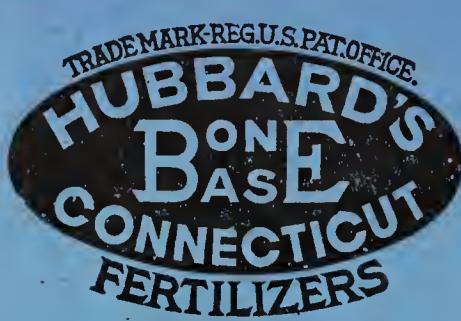


## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.







We sell and recommend these reliable Fertilizers because we know they will give satisfaction to our customers. When ordering your seeds, include your order for Hubbard's "BONE BASE" Fertilizers and Gro-Fast Plant Food.

## CADWELL & JONES DISTRIBUTOR



Gro-Fast Plant Food  
For Lawn and Garden



Manufactured by

The Rogers & Hubbard Co.  
PORTLAND, CONN.

Established 1878

# 94 Years—of Service



HARTFORD SEED STORE



SEVEN FLOORS EQUIPPED

## READY TO SERVE YOU!

• Phone 2-1171 FOR P R O M P T  
DELIVERY SERVICE •

### *Greetings to Our Customers*

WE again extend our thanks and wish them to know that we sincerely appreciate their patronage. To new customers we extend a welcome and the assurance that their orders will be handled carefully and promptly, and their patronage would be to mutual interests.

OUR store is arranged for quick, easy shopping. Everything has been selected with a view to offering the finest of seeds and garden requisites. Comparison will show our prices are reasonable.

**An Invitation:** We cordially invite our many friends to visit us and look over the many things that help to make and maintain beautiful lawns, productive gardens and farms. It is our business to keep a display of seasonable goods in our store located in the shopping district. (Illustrated on this page.)

#### TO OUR LOCAL CUSTOMERS

OUR auto delivery is well equipped for prompt daily service throughout all parts of the city. If not convenient to call at our store, *telephone* your orders, and you will talk to an expert in his own line, rendering you the same courteous assistance accorded to our store patrons, avoiding the annoyance and expensive delay incidental to purchasing from distant dealers or the unsatisfactory methods of buying amid the frantic rush of a metropolitan seed store in Springtime.

**CADWELL & JONES**  
1084-86 MAIN STREET, HARTFORD, CONN.

Conveniently Located in the Shopping District

# HARTFORD SEED STORE

## Headquarters for Nearly a Century

# CAPITAL SEEDS

## Lawn, Garden and Farm Requisites

The World's Finest for  
HOME GARDENS, ESTATES, PARKS and FARMS

As never before there is no substitute for  
Experience, Honesty and Integrity

"The HIGH STANDARD always maintained merits the  
discrimination, distinction and preference given our seeds."

MEMBERS: American Seed Trade Association

New England Seedsmen's Association

Connecticut Seedsmen's Association

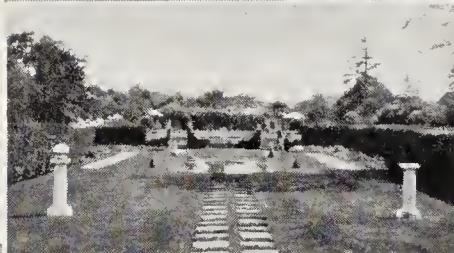
"BUY THE SEEDS THAT EXPERTS PREFER AND PLANT"

### Hartford's Prize-Winning Gardens

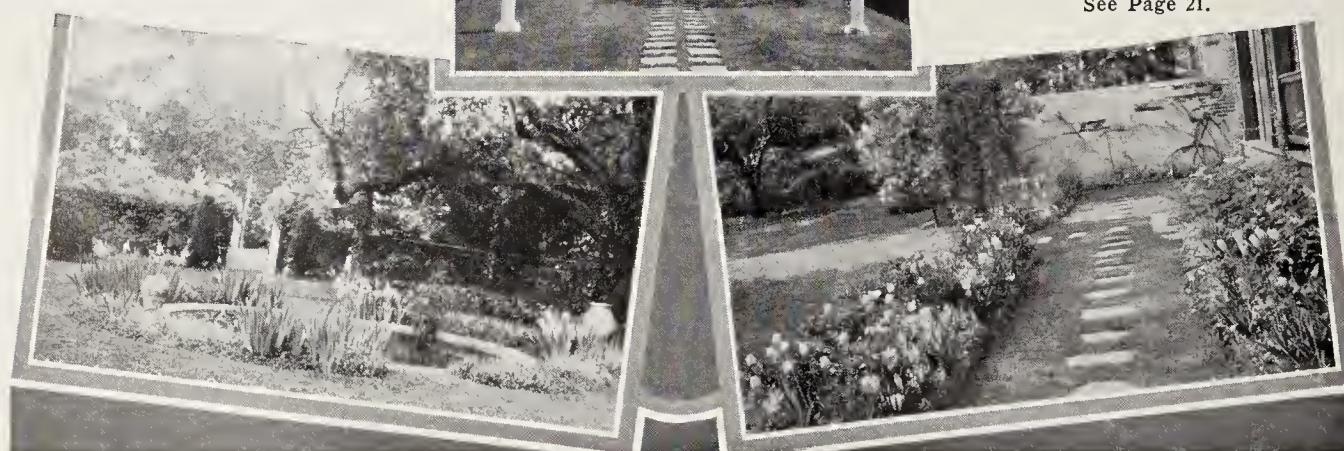


MAKE YOUR GARDEN GAY WITH  
AUTUMN PLANTED BULBS

Tulips, Crocus, Hyacinths, Narcissus, etc.  
For Spring Blooming—See Our Facinating  
Display. Ready about September 1st.



ROCK GARDEN PLANTS  
New and Old  
Hardy Perennials  
A Complete Selection  
Dependable Plants  
Priced Reasonable  
See Page 21.



*Presenting . . .*

## NORTHERN GROWN ROSES

Have been tested, developed by experts  
The very finest the world has to offer

After May 1, we can supply all varieties listed in field grown budded plants, balled and a nicely established root system burlapped.

75c each. \$8.00 dozen.

**AUTUMN**—Rich Crimson and Gold.  
**BETTY UPRICHARD** — Salmon Pink and Carmine.  
**EDITH NELLIE PERKINS** — Orient Red and Salmon.  
**CHAS. K. DOUGLAS**—Crimson Scarlet.  
**ETOILE DE FRANCE**—Dark Rose Red.  
**ETOILE DE HOLLANDE** — Fragrant Brilliant Red.  
**GRENOBLE** — Fragrant Clear Scarlet.  
**MARGARET McGREDY**—Sturdy Geranium Red.  
**MRS. E. P. THOM**—Ever-blooming Canary Yellow.  
**MADAM J. BOUCHE** — Finest White Garden Rose.  
**MRS. HENRY MORSE**—A Dependable Light Pink.  
**PRESIDENT HERBERT HOOVER**—Soft Straw Yellow with Deep Rose.  
**RED RADIANCE**—Bright Cherry Red.  
**REV. PAGE ROBERTS**—Golden Yellow and Copper.  
**SOUV. DE CL. PERNET**—Clear Light Yellow.  
**TALISMAN** — Tones of Scarlet and Orange Yellow.



**VILLE DE PARIS** — Very Charming Yellow.

## *Announcing . . . ALL-AMERICA WINNERS*

When ordering include these Prize-winners. Listed and described on the following pages.

**COSMOS**  
Early Klondyke  
Orange Flare  
**CALENDULA**  
Orange Shaggy  
Chrysanthia



**MARIGOLD**  
Yellow Supreme  
Dixie Sunshine  
**NASTURTIUM**  
Double Sweet Scented  
Golden Gleam  
Scarlet Gleam  
Orange Gleam  
Double Gleam  
Hybrids Mixed  
Dwarf Double Gem—Mixed  
Dwarf Golden Globe  
They leave nothing to be desired



**ZINNIAS**  
Dahlia Flowered  
California Giants  
Crown o' Gold—Desert Gold  
Fantasy  
Pompon  
Tom Thumb  
Scabious Flowered Mixture

**CADWELL & JONES** give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants, insecticides or fertilizers they sell and will not be in any way responsible for the crop or results.

**CADWELL AND JONES**

1084-1086 Main Street  
HARTFORD, CONNECTICUT

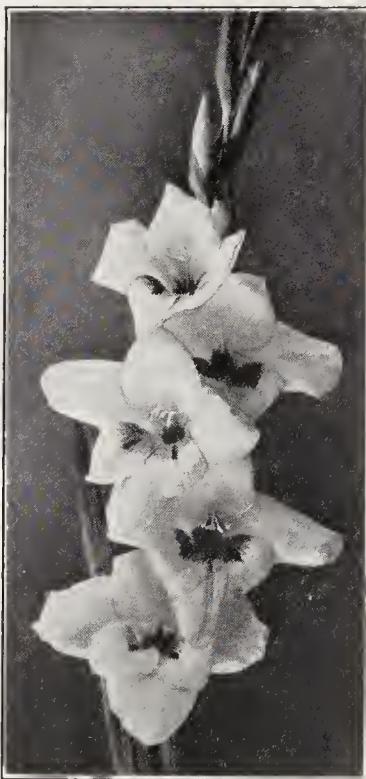
MARION B. DENISON  
EVERETT P. JONES

## Giant Flowering Decorative Dahlias for Exhibition and Garden

The varieties listed will be found at nearly every Dahlia Show and are most desirable for cutting and house decoration. Write us regarding any varieties which we have not listed.

Abbreviations: Cac.-Cactus. Dec.-Decorative.

	Each	Each	Each
<b>Achievement</b> —Dec. Old gold and rose.....	\$1.00	<b>Kemp's Violet Wonder</b> —Dec. Naphthaline violet....	.50
<b>Avalon</b> —Dec. Perfect yellow.....	.35	<b>Kentucky</b> —Dec. Brilliant salmon orange.....	.50
<b>Champeog</b> —Dec. Canary suffused rose red.....	1.00		
<b>Clara M. Hass</b> —Dec. Delicate pink shaded, white..	.35		
<b>Emanuel's Beauty</b> —Dec. Flame red suffused with yellow.....	1.00		
<b>Ethel M.</b> —Cac. Amaranth pink center. White.....	.35		
<b>Fair Harbor</b> —Dec. Lavender pink.....	1.00		
<b>Francis A. Johnson</b> —Dec. Rose pink with shadings of white.....	.75		
<b>Fred Springer</b> —Dec. Dwarf; bright red, splendid for border, or pot growing.....	1.00		
<b>George, Jr.</b> —Cac. Bright salmon rose shaded yellow..	.50		
<b>Girl of Hillcrest</b> —Dec. Clear apricot buff.....	1.00		
<b>Gungywamp</b> —Dec. Bitter-sweet orange with yellow....	.50		
<b>Jane Cowl</b> —Dec. Bronzy buff and old gold salmon center.....	.35		
<b>Janet Southwick</b> —Dec. Deep tyrian rose.....	1.00		
<b>Jean Trimbee</b> —Dec. Rich petunia violet.....	1.00		
<b>Jersey's Beacon</b> —Dec. Chinese scarlet.....	.35		
<b>Jersey's Beauty</b> —Dec. True pink perfect.....	.35		
<b>Jersey's Sovereign</b> —Dec. Salmon orange.....	.35		
<b>John C. Busch</b> —Dec. Golden Yellow.....	.50		
<b>Josephine G.</b> —Dec. Bright Rose Pink with Yellow....	.75		



Modern Type Gladioli.

## Cadwell & Jones Select Gladioli

USE NAPOTOSIDE FOR THE CONTROL OF THRIPS

Apply between the rows during growing season.

OUR BULBS ARE TREATED AND ARE THRIPI FREE

**AVE MARIA.** Most beautiful light blue with small purple blotch. Doz. 75 cts., 100 \$5.00.

**BETTY NUTHALL.** A sparkling orange pink, deepening to coral. Flowers often six inches across. Doz. 60 cts., 100 \$4.00.

**CATHERINE COLEMAN.** Salmon pink small blotch, long flower head and a prize winner. Doz. 50 cts., 100 \$3.00.

**CARMEN SYLVIA.** Tall snow-white, throat slightly penciled lilac. Large flower, very satisfactory. Doz. 45 cts., 100 \$2.50.

**CHARLES DICKENS**—Very tall strong plant, large purple flowers. Doz. 50 cts., 100 \$2.75.

**COMMANDER KOEHL.** Dark scarlet without markings. Tall straight flowers. Doz. 75 cts., 100 \$5.00.

**DR. F. E. BENNETT.** An unusual red, most fiery imaginable, and very large flowering, many open. Diener's best red. A monster in growth and vigor. Doz. 45 cts., 100 \$2.50.

**GOLDEN DREAM.** Pure golden yellow, very large flowers of good substance, robust grower and con-

sidered the best yellow on the market. A super Glad. Doz. 50 cts., 100 \$2.75.

**MINUET.** Self-colored lavender striking blossoms. Doz. 50 cts., 100 \$3.50.

**MOTHER MACHREE.** Beautiful lavender wine-tinted, over laid with salmon-pink. Best so-called "smokes". Doz. 75 cts., 100 \$5.00.

**MRS. LEON DOUGLAS.** Salmon-pink striped with flame and scarlet. A wonder. Very large. Doz. 50 cts., 100 \$2.75.

**PICARDY.** Clear soft shrimp pink shaded deeper at edges. Doz. 85 cts., 100 \$6.00.

**PFITZERS TRIUMPH.** Giant flower of orange-salmon blotched red. Doz. 50 cts., 100 \$3.50.

**W. H. PHIPPS.** Diener's wonder Glad. Beautiful flesh-pink with about 22 blooms to a spike and nearly all opening at a time. The super Glad. Doz. 50 cts., 100 \$3.00..

**CADWELL & JONES EXHIBITION MIXED.** Our own mixture. All the above and other choice sorts. Doz. 45 cts., 100 \$2.50.

See page 20 for summer-flowering Bulbs, Amaryllis, Begonias, Caladiums, Cannas, Lilies, etc.



Putting on Green.



State Capitol and Grounds.



Croquet Lawn.

## CAPITAL CITY LAWN GRASS SEED

We take great pride in the quality of our Lawn Grass Seed and steadily increasing sales show that this quality is appreciated. **To prepare a good lawn** you must have seed of the proper kind and use plenty of it; you cannot produce a fine and beautiful lawn with ordinary hay seed. Next in importance is the proper preparation of the soil. Spade or plow it deeply, fertilize freely, and make it fine, free from clods and perfectly level, avoiding uneven places.

**When to sow.** Plant early in Spring or Fall at the rate of 150 pounds to the acre. In the Spring sow as early as possible, raking the surface of the soil very fine and then sowing the seed. Cover by rolling with a light roller. In the Fall sow before the Autumn rains have ceased. One pound of our mixture will sow 200 square feet.

This is a mixture of numerous varieties selected especially to produce a fine, velvety turf. Some kinds are used because they spread along the surface of the ground and keep the lawn "knit together;" others are used because they thrive in dry weather and keep the lawn green, and still others because they thrive early in the Spring and late in the Fall. No one grass can make a good lawn. A scientific blending is necessary. The grasses in the Capital City Mixture are native hardy kinds which will not winterkill, and which will produce a fine sod, under favorable conditions. In the Capital City Mixture there is every good grass and no bad ones. It is not made from a ready-made formula, but is compounded of species generally more expensive and more satisfactory than those that go into the ordinary mixture. It is not a cheap lawn grass, but it is sold as cheaply as we can sell it considering the cost of the materials. 1 lb., 50c.; 2 lbs., 95c.; 3 lbs., \$1.35; 5 lbs., \$2.00; 10 lbs., \$3.75; 15 lbs., \$5.40; 25 lbs., \$9.00.

**ENGLISH-CHOICE LAWN GRASS SEED.** This Mixture will provide a lawn of satisfactory appearance, the first season for those who wish to make a moderate Investment. 1 lb. 30c.; 2 lbs. 60c.; 5 lbs. \$1.50; 25 lbs. \$7.50.

## SHADY NOOK LAWN GRASS SEED

It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places, and we recommend the use of this special mixture. In extremely shady spots or under trees, a liberal application of lime is recommended in the Fall. Apply sheep manure and sow Shady Nook Lawn seed in early Spring. 1 lb., 60c.; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.25; 10 lbs., \$4.25; 15 lbs., \$6.00; 25 lbs., \$10.00.



Planet, Jr., Grass Seeder and Fertilizer Distributor  
Price, \$5.25

Dandelion Cane, see page 52—please. Adeo Weed Killer, see page 61—please.

## SPECIAL MIXTURES FOR GOLF LINKS

We are prepared to furnish promptly choice qualities of Fancy Recleaned Red Top, Kentucky Blue Grass, Perennial Rye Grass, Creeping Bents, Chewing's Fescue and other grasses used on golf courses.

It is to the customer's advantage to secure firm prices at the time seeds are required as all the prices are subject to market changes.

**FAIR GREEN MIXTURE.** For general use on golf links.

**PUTTING GREEN MIXTURE.** A mixture of grasses best suited to produce a close, firm, lasting turf, which will endure frequent cutting.

PENNSYLVANIA LAWN MOWERS





**Flower Seeds—Tools and Requisites can be easily chosen from an extensive Display at our Store. Located in the Shopping District.**

## FLOWER SEEDS

### PLAN AND PLANT A FLOWER GARDEN FOR BEAUTY, HEALTH AND RECREATION Brief Hints on Sowing and Cultivation

**The Soil.** A mellow loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotted manure and leafmold, is adapted to the general run of flowering plants. Previous to planting flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to better advantage.

**Sowing the Seed.** Nine-tenths of the failures in flower culture come from improper treatment of the seeds and young plants. We urge every purchaser of our seeds to carefully study the cultural directions printed on each package, and the following general rules:

Do not plant any of the seeds when the ground is wet. Make the surface as fine and smooth as possible. Cover each sort of seed to a depth proportionate to its size; the finest, like *Portulaca*, *Campanula*, *Digitalis*, etc., should be merely sprinkled on the surface of the ground, and barely covered with finely sifted, light, mellow soil. Press soil down firmly over the seed with a brick or short piece of board. For large seeds, depth should be regulated according to size of seed; those the size of a pin-head,  $\frac{1}{2}$  inch deep, and those the size of a pea,  $\frac{3}{4}$  of an inch.

Procure a bit of lath (it would be better if planed smooth) about 2 feet long, press the edge down into the soil evenly, so as to make a groove as deep as the seed is to be planted; scatter the seed along this, allowing four or five of the larger to fifteen or twenty of the smaller seeds to the space one plant is to occupy when grown. Cover the seed by pressing earth together over it, then turn your lath sideways and press soil down firmly and evenly.

### Adonis

A pretty annual of easy culture, with showy flowers and handsome foliage. Hardy annuals.

**Aestivalis (Flos Adonis).** Scarlet. 1 ft. Pkt. 10 cts.

### Acroclinium

Beautiful, everlasting flower, largely used for Winter bouquets.

**Double Mixed.** Pkt. 10 cts.

**Single Mixed.** Pkt. 10 cts.



**Sweet Alyssum.** Makes a very effective border plant.

### Ageratum

This plant keeps up an almost constant bloom throughout the Summer and is particularly effective for bedding as well as decidedly valuable for cut flowers. It has the further merit of being of the easiest culture. Can be started in hotbed or window box and transplanted after frost. Half-hardy annuals.

**Mexicanum.** Lavender blue. 2 ft. Pkt. 10 cts.

**Album.** White. 15 in. Pkt. 10 cts.

**Blue Perfection.** This is the darkest colored of all large-flowering Ageratums. Color deep amethyst-blue, compact growth; fine bedder. Pkt. 10 cts.

**Tom Thumb.** Blue; rarely exceeds 6 in. in height. A very desirable variety; good for edges of beds, etc. Pkt. 10 cents.

### Alyssum

Whether grown for Summer blooming or for flowering in Fall and Winter in the parlor or greenhouse, its easy culture and the delicate honey-like fragrance of its flowers, so much prized in bouquets and baskets, makes this old favorite largely grown. Flowers white. Hardy annual.

**Sweet Alyssum.** 1 ft. Pkt. 10 cts., oz. 25 cts.

**Tom Thumb Sweet Alyssum.**  $\frac{1}{2}$  ft. Pkt. 10 cts.

### Amaranthus

Tricolor Splendens (Josephs-coat). Brilliant foliage of crimson yellow and bronze, excellent for borders. 2 ft. Pkt. 10 cts.

### Asters

On account of their easy culture and vigorous growth, Asters are deservedly popular. For blooming in September and October, when they flower at their best, sow the seed in the open ground early in May. If earlier blooms are wanted, they may be sown in cold-frames or in boxes or pots in the house. Cover the seeds about  $\frac{1}{2}$  inch with rich, light soil. When the plants have three or four leaves, transplant 18 inches apart in beds in which well-decayed (not fresh) manure has been thoroughly incorporated. A good dressing of wood ashes stirred into the surface of the bed is very beneficial to the growth of plants and prevents disease.

**AMERICAN BEAUTY GIANTS.** A recently introduced variety blooming in late September and October. Monster blooms on long stems.

	Pkt.	Pkt.	
Azure Fairy.....	\$0.10	Rose.....	\$0.10
Purple.....	.10	Shell-Pink (September Beauty).....	.10
Peach Blossom.....	.10	Finest Mixed.....	.10
White.....	.10		

**GIANTS OF CALIFORNIA.** A new late variety of the Crego type; extra long stems, curled and twisted petals, enormous flowers.

	Pkt.	Pkt.	
Dark Purple.....	\$0.10	Peach Blossom.....	\$0.10
Light Blue.....	.10	White.....	.10
Finest Mixed.....			.10

**NEW BRANCHING.** The flowers are like beautiful Chrysanthemums, large, very graceful, produced on long stems, well above the foliage; grand for cutting. Plants extra large and of strong growth; one plant will cover a space  $2\frac{1}{2}$  ft. square. By far the most satisfactory grown.

	Pkt.	Pkt.	
Mixed.....	\$0.10	Purple.....	\$0.10
White.....	.10	Lavender.....	.10
Pink.....	.10	Rose.....	.10
Crimson.....	.10	Dark Violet.....	.10

**QUEEN OF THE MARKET.** A handsome, profuse early blooming class of graceful, spreading habit, producing finely formed, double flowers two or three weeks before most others begin to bloom; extensively grown for cutting.  $1\frac{1}{2}$  ft.

	Pkt.	Pkt.	
Rose.....	\$0.10	Pink.....	\$0.10
Lavender.....	.10	Crimson.....	.10
Purple.....	.10	White.....	.10
Various Colors Mixed.....			.10

**HEART OF FRANCE ASTER.** The best pure red Aster ever introduced. Heart of France opens red as the purest ruby. The flowers are large and full, with never a trace of a hollow center. The stems are long. Pkt. 10 cts.

**CHINA ASTER.** This is a mixture of many fine sorts and all colors.

**Fine Mixed.....** Pkt. 10 cts.

### Arctotis

**Grandis.** The large, Daisy-like white and lilac blooms of this fine, hardy annual are excellent for cutting. 2 ft. Pkt. 10 cts.

### Asparagus

An excellent pot plant for conservatory or house decoration.

**Plumosus nanus.** Feathery, fern-like foliage. Pkt. 15 cts.

**Sprengeri.** Drooping, feathery foliage; excellent for hanging baskets. Pkt. 10 cts.

### Balloon Vine

A handsome Summer climber, having small white flowers. 15 feet. Hardy annual. Pkt. 10 cts.



New Branching Aster—

Especially adapted for our climatic conditions.

**LOS ANGELES.** Lovely soft shell pink blending to creamy-pink; we can heartily recommend. Pkt. 15c.

**EARLY BRANCHING OR ROYAL ASTERS.** An early flowering type of our already popular new branching variety, coming into bloom in July or early August. Their free flowering habit makes them desirable for bedding or borders, while their long stemmed flowers are ideal for cutting.

	Pkt.	Pkt.	
White.....	\$0.10	Lavender.....	\$0.10
Shell-Pink.....	.10	Purple.....	.10
Deep Rose-Pink.....	.10	Mixed.....	.10

**CREGO'S GIANT ASTER.** A magnificent Aster of the Comet type, but superior to it in every way. It has a branching habit, with very long stems and large flowers. The petals are long and beautifully curled and twisted. Distinctly an American production and includes some of the finest shades. 2 ft. Pkt.

	Pkt.	Pkt.	
Rose-Pink.....	\$0.10	Shell-Pink.....	\$0.10
Lavender.....	.10	Purple.....	.10
White.....	.10	Mixed.....	.10

**GIANT CALIFORNIA SUNSHINE ASTERS.** The color of these new Asters is startlingly beautiful. **Finest Mixed....** Pkt. 15 cts



Arctotis-Grandis—Blue-Eyed Daisies.

### Balsam (Lady's Slipper)

This favorite annual has been continually improved for several years, the flowers of some strains being perfectly double and of immense size, rivaling in beauty those of the Camellia. The strain we offer is of this improved type, and is remarkable for bright and effective colors, embracing varied and brilliant self-colors, also superbly mottled and striped varieties. Tender annuals.

**Camellia-Flowered.** Choicest mixed varieties. Pkt. 10c.

**Pure White.** The most double Balsam grown. Pkt. 10 cts.

**Flesh Colored.** Fine. Pkt. 10c.

**Double Fine.** Mixed. Pkt. 10c.

### Garden Flowers in Color

#### A PICTURE CYCLOPEDIA OF FLOWERS

By G. A. Stevens      Price \$3.85, Postpaid  
 400 photographs in full color; 320 pages;  
 6½ x 9¼ inches; cloth

This is the first book to show all the important garden flowers in accurately colored photographs. The pictures are arranged alphabetically with accompanying descriptions and brief cultural notes.

An index of vernacular names makes it possible to find any flower.

The color plates are the finest obtainable and as accurate as they are beautiful.

### Wild Flowers

By Homer D. House 365 color illustrations  
 340 pages exclusive of plates; 9½ x 11¾ inches;  
 cloth \$7.50, postpaid.

This is the first one-volume wild flower book to picture the flowers in actual size, in full-color photographs. Complete and accurate descriptions are given in non-technical language. The wealth of pictures and the index listing wild flowers by both common and botanical names make it a simple matter to identify plants with unquestioned accuracy.

### Bartonia

**Aurea** (Golden Star). Is a native of California, and one of our showiest annuals. It produces large, single, golden yellow flowers which have quite a metallic luster when the sun shines on them. A large cluster of yellow stamens adds to the effectiveness of the blossoms, which measure nearly 3 in. across. 1 ft. Pkt. 10 cts.

### Brachycome (Swan River Daisy)

Free-flowering annuals. Daisylike, pretty blue and white flowers, doing best in warm, dry situations, and makes a thrifty, edging and border plant. 1 ft. Mixed shades, White, Blue and Rose. Pkt. 10 cts.

### Browallia (Amethyst)

**Speciosa major.** Beautiful, profuse blooming brilliant ultramarine blue flowers, fine for borders and pots. 1½ ft. Pkt. 20 cts.

### Begonias (Ever-blooming bedding Varieties)

Fibrous-rooted Begonias take rank as bedding plants with Geraniums and Coleus, doing equally well in full sunlight, and surpassing both in position partially or wholly in shade. As pot plants for Winter flowering, they are superb. Easily raised from seed which should be started either indoors or in a hotbed.

**Semperflorens** (Single Mixed). This mixture contains all colors from pure white to deepest crimson. Pkt. 15 cts.

### Cacalia

**Coccinea** (Tassel-Flower). Free blooming annual; golden yellow and scarlet mixed flowers, blooming from June to September. 1½ ft. Pkt. 10 cts.

### Calendula (Pot Marigold)

**Meteor.** Very handsome, perfectly double and beautifully striped; the petals cream-color, edged with orange-yellow. Pkt. 10 cts.

**Prince of Orange.** This plant produces large, brilliant, deeply imbricated flowers in great profusion. The color is a pale straw-yellow, striped with a most intense shade of orange. Pkt. 10 cts

**Large Flowered.** This strain of Calendulas produces flowers of very large size; in two shades, deep lemon and orange-red. Mixed. Pkt. 10 cts.

**Orange King, Selected.** Valuable hardy annuals the double, showy, large, dark, double orange flowers, borne from June to November are useful for cutting. Pkt. 10 cts.

**Orange Shaggy.** Informal-shaggy petals distinctly new and different. Deep Orange. Pkt. 15 cts.

**Chrysanthemum.** The very numerous flowers are bright canary yellow presenting somewhat the appearance of a Japanese Chrysanthemum. Pkt. 15 cts.

### Calliopsis, or Coreopsis

Showy, hardy plants, with rich, bright-colored flowers blooming through the entire season. Hardy annuals. 2 ft.

**Mixed**..... Pkt. 10 cts.

### Campanula, Annual, Canterbury Bells

Blooms six months from seed planting. 2 to 2½ ft. tall, 6 to 8 flower spikes per plant. Mixture containing dark and light blues, pink, rose and white. Pkt. 10 cts. each.

### Canary-Bird Flower

There is no more desirable climbing plant in cultivation than this. It is of rapid growth, and produces an abundance of yellow fringed flowers. Half hardy annuals. 10 ft. Pkt. 10 cts.

### Candytuft (Iberis)

One of the most popular hardy annuals, almost equal to Sweet Alyssum. Like it, is of the easiest culture. 1 foot. Hardy annual.

**Giant Hyacinth-Flowered White.** Very useful for cutting. Pkt. 10 cts.

**Fine Mixed.** Pkt. 10 cts.

### Canna (Indian Shot)

With foliage of tropical luxuriance, this plant is particularly suitable for forming groups on lawns, or placed as backgrounds for dwarfer growing plants. Half-hardy perennial.

**Finest Mixed**..... Pkt. 10 cts.

See page 20 for Canna Roots.

### Cardinal Climber

The brilliant scarlet flowers contrast strikingly with the rich green, fringed leaves. Excellent for trellises and pergolas. It grows to a height of about 20 feet on good soil. The hard-shelled seeds should be soaked for a few hours in warm water prior to sowing. Pkt. 10 cts.

### Carnation

**Marguerite.** These superb, dwarf Carnations have become great favorites, not only by reason of their fine, double, fragrant flowers, but also because they can be treated as annuals. Like the Chinese Pinks, they flower freely the first season from seed sown in the open ground. Pkt. 10 cts.

### Clarkia

An old favorite. Hardy annual.

**Finest Mixed Varieties.** Pkt. 10 cts.

### Cleome Pungens (Spider Plant)

A pretty plant with curious heads of pink flowers. Hardy annual. 2 ft. Pkt. 10 cts.



Calendulas. Useful for cutting and table decoration.

### Centaurea (Dusty Miller)

Valuable for ribbon bedding, the silvery whiteness of the leaves being very effective. Perennials.

**Gymnocarpa.** A graceful, silver-foliage variety. Pkt. 10 cts.

#### BACHELOR BUTTONS

**Cyanus minor.** Also often called Cornflower and Ragged Sailor. One of the finest annuals grown for cut flowers. Blooms all Summer. Hardy annuals.

**Mixed**..... Pkt. 10 cts.

**Dark Blue.** Finest double. Pkt. 10 cts.

**Imperialis** (Royal Sweet Sultan). Beautiful, sweet-scented flowers borne on long stems, lasting for several days after cutting. Pkt. 10 cts.

### Chinese Woolflower

A much admired and effective form of the feathered Celosia, growing 2 to 3 feet high, well branched and each branch terminating with a large head or ball of rich flowers of a silky, wool-like appearance, blooming early and lasting till killed by frost. Will keep for weeks when cut, retaining its rich color. Annuals of easiest culture.

**Crimson, Dark Pink, Yellow.** Each pkt. 10 cts.

### Chrysanthemum

The colors have the appearance of being laid on with the brush, and for this reason they are frequently called "Painted Daisies." Hardy annuals.

**Mixed Annual Varieties.** Single..... Pkt. 10 cts.

**Mixed Annual Varieties.** Double..... Pkt. 10 cts.

**Perennial Chrysanthemums.** See page 21.

### Cineraria

One of the most beautiful plants that can be grown for decorative purposes. Seeds should be sown in June and July and plants will be large enough for all purposes in the greenhouse or conservatory during the Spring months.

**Dwarf Large-Flowering Mixed.** Dwarf, compact habit with immense trusses of large flowers in rich colors. Pkt. 25 cts.

### Cobaea

A fine Summer climbing plant, quick growing and bearing large, bell-shaped flowers. In sowing, place the seed edgewise. Half-hardy perennial.

**Scandens.** Purple. 20 feet. Pkt. 10 cts.

Flowers are borne profusely on bushy plants 5 to 6 ft. high and are of lasting substance both on the plants and as cut flowers.

**Crimson, Pink, White, Finest Mixed.**

All varieties. Pkt. 15 cts.

**COREOPSIS.** See Calliopsis.

### Cynoglossum (Chinese Forget-me-not)

**Amabile.** A very favorable recently introduced annual, producing intense Forget-me-not-like flowers throughout the Summer months. Pkt. 10 cts.

### Cypress Vine

A popular annual climbing plant, with delicate, fern-like foliage. Half-hardy annuals. 15 ft.

**Scarlet**..... Pkt. 10 cts.

**White**..... Pkt. 10 cts.

**Mixed**..... Pkt. 10 cts.



Heavenly-Blue  
Morning Glories.



Bachelors Buttons are always in  
"Old Fashioned Gardens"

### Cockscomb

**Celosia cristata.** Annual plants of tropical origin, and one of the most satisfactory and showy plants for garden decorations. Half-hardy annuals.

**Dwarf.** Mixed. 1 ft. Pkt. 10 cts.

### Coleus

**Hybrids Mixed.** Ornamental foliage plants used extensively for bedding. Pkt. 15 cts.

### Convolvulus (Morning Glory)

All will recognize this most popular annual, for in this tribe is included the well-known Morning Glory. The Minor varieties are largely used and well suited for bedding. They attain an average height of 1 foot. Half-hardy annuals.

**Major.** Mixed. 15 ft. Pkt. 10 cts., oz. 20 cts.

**Minor tricolor roseus.** 1 ft. Beautiful rose-colored flowers, with pure white center, fringed with purple and shading away toward the throat in five broad bands of rich golden yellow. Pkt. 10 cts.

**Japanese Giant.** Most beautiful strain, with immense flowers of finest colors and markings and are beyond doubt the handsomest of all Morning Glories. Pkt. 10 cts.

**Heavenly Blue.** Immense beautiful flowers of bright sky-blue. Seed should not be sown outside till ground is warm. Pkt. 15 cts.

### Cosmos

These graceful, Autumn-flowering annuals, with their feathery foliage and their large, showy single flowers, are a delight in the garden and exquisite as cut flowers.

**Klondyke Orange Flare.** Early flowering color vivid orange, stems are long and well adapted for cutting. Pkt. 15 cts.

**Early Large-Flowering Hybrids.** A selection of the early flowering sorts with larger flowers. Seed sown outdoors in May will produce plants which will flower from July to frost. 4 to 5 ft.

**Mixed**..... Pkt. 10 cts.

**Pink**..... Pkt. 10 cts.

**White**..... Pkt. 10 cts.

**Crimson**..... Pkt. 10 cts.

**Giant Late-Flowering.** Flowers from August to frost. 5 to 6 ft.

**Mixed**..... Pkt. 10 cts.

### EARLY-FLOWERING DOUBLE ANEMONE COSMOS



Double Cosmos—  
Very artistic flowers.



Gaillardia—Blanket Flower.  
Brilliant Showy Annuals.

### Daisy (*Bellis perennis*)

Charming little plants for edging and borders.  
**Giant Double White**..... Pkt. 10 cts.  
**Giant Double Red**..... Pkt. 10 cts.  
**Giant Double Pink**..... Pkt. 10 cts.  
**Giant Double Mixed**..... Pkt. 10 cts.

### Didiscus

**Coerulea** (Blue Lace Plant). Hardy annual producing lacy, beautiful, sky-blue flowers from July to frost. Desirable as a cut flower. Plants about 18 in. high. Pkt. 10 cts.

### Dracaena

**Indivisa**. Narrow green leaves valuable for vases and house decoration. Pkt. 10 cts.

### Eschscholtzia (California Poppy)

Very profuse blooming plants of extremely rich and beautiful colors. 1 foot. Hardy annuals.  
**Fine Mixed**. All colors. Pkt. 10 cts.

**FORGET-ME-NOT**. See *Myosotis*. Page 19.

### Euphorbia

Strong growing annuals suitable for beds of tall growing plants or mixed borders, the foliage is highly ornamental, the flowers inconspicuous.

**Variegata** (Snow on the Mountain). Attractive foliage veined and margined with white. Pkt. 10 cts.

### Gaillardia (Blanket Flower)

Beautiful, showy plants, natives of this country, presenting quite a diversity of color. Hardy annuals.  
**Double Lorenziana**. Pkt. 10 cts.

**Indian Chief**. A superb variety. Dark Red flowers remaining in flower from June to October. Pkt. 10 cts.  
**Grandiflora**. Perennial. See page 18.

### Gerbera (Transvaal Daisy)

**Jamesoni Hybrids**. New hybrids with a wonderful range of color from pure white through orange, salmon, rose, cerise to ruby red and violet. Pkt. 20 cts.

### Dianthus (Pinks)

The China Pinks are deservedly very popular, as but few flowers can equal them in beauty and profusion of bloom. They comprise many distinct and most beautiful marked varieties of rich and varied colors. They blossom continually all Summer and Fall, until overtaken by severe frost, they live over Winter and blossom again the second season. They are alike ornamental in the garden or for bouquets. The plants grow generally 10 to 15 inches high, and are of the easiest cultivation. So satisfactory a class of flowers should be grown in large variety in every garden. Hardy annuals. Almost as handsome as Carnations.

**China, or Indian Pink**. Fine, double mixed. Pkt. 10 cts.  
**Japanese Pink**. Finest single mixed in great variety. Pkt. 10 cts.

**Double Diadem Pink**. Hieroglyphically marked like the original Chinese Pinks in the middle down to the base of each petal; very double, large flowers; magnificent in color and variety. Pkt. 10 cts.

**Sweet Wivelsfield, Annual Dianthus**. Resembles Sweet William. Excellent for cutting. Pkt. 10 cts.

### Dahlia

**Single**. Many of the varieties of these single Dahlias are exceedingly beautiful, and the seed we offer, saved from one of the best collections extant, may be expected to produce many distinct desirable sorts. Perennials. Pkt. 10 cts. See page 4 for **Dahlia Roots**.

**Double Large Flowering**. Saved from a superb collection containing a very varied range of colors. Pkt. 15 cts.

**Coltness Hybrid**. Easily raised from seed, averaging 18 inches high, bearing a continued succession of bloom from July until frost, with well expanded flowers about 3 inches in diameter. Extremely attractive for bedding and garden decoration. Pkt. 10 cts

### Dimorphotheca (South African Daisy)

**Aurantiaca**. A rare and exceedingly rich flowering annual of easy culture. Pkt. 10 cts.

### Gilia

Very pretty, dwarf plants, will bloom in almost any situation; admirably adapted for massing. Hardy annuals.

**All Colors Mixed**..... Pkt. 10 cts.

### Globe Amaranthus

Remarkably handsome. Everlasting. The flowers may be cut in Summer and preserved for Winter bouquets. Half-hardy annuals.

**Purple**. 2 ft..... Pkt. 10 cts.

**Mixed**. All colors..... Pkt. 10 cts.

### Gloxinia

**Hybrida grandiflora**. Greenhouse plants producing magnificent flowers of the richest colors. Thrives best in mixture of peat loam and sand. Pkt. 35 cts.

### Godetia

Worthy of extended cultivation, their delicate tints of purple and pink have long made them favorites in English gardens, although natives of America. Hardy annuals.

**Fine Mixed**..... Pkt. 10 cts.

### Gourds (Ornamental)

All of this climbing genus are of rapid growth, and produce fruit of peculiar and varied forms. Tender annuals.

**Bottle-Shaped**..... Pkt. 10 cts.

**Calabash Pipe**..... Pkt. 10 cts.

**Dish-Cloth**..... Pkt. 10 cts.

**Dipper**..... Pkt. 10 cts.

**Egg-Shaped**..... Pkt. 10 cts.

**Hercules, Club**. A curious sort..... Pkt. 10 cts.

**Pear-Shaped**. Ringed..... Pkt. 10 cts.

**Orange**. Fruit resembles an orange..... Pkt. 10 cts.

**Sugar Trough**..... Pkt. 10 cts.

**Mixed**..... Pkt. 10 cts.

### Grasses, Ornamental

Valuable for their various colored foliage, some varieties for flowers. Many sorts are useful in masses on lawns and in gardens.

**Mixed**..... Pkt. 10 cts.

**Grevillea**

**Robusta** (Silk Oak). Very graceful and decorative evergreen for pot plants, easily raised from seed. Pkt. 10 cts.

**Gypsophila (Babysbreath)**

Graceful plants, with tiny flowers produced in abundance in loose panicles. Excellent for their delicate effect in bouquets.

**Grandiflora alba.** Flowers pure white. Pkt. 10 cts.

**Helichrysum (Everlasting Flower)**

Flowers mostly used for Winter bouquets, for which purpose they are cut before blooms are expanded and dried in the shade. Hardy annuals.

**Monstrosum.** Double. The brightest colors mixed. Pkt. 10 cts.

**Fireball.** Intense red. Pkt. 10 cts.

**Helianthus (Sunflower)**

**Cucumerifolius, Stella.** A very popular Sunflower of branching habit, producing an abundance of small golden yellow, single flowers with black centers. It comes into bloom in July and continues till frost. Invaluable for cutting. 4 ft. Pkt. 10 cts.

**Cucumerifolius** (Single Miniature Sunflower). Small, single, rich yellow flowers. Plants about 4 ft. tall. Pkt. 10 cts.

**Heliotrope**

A universal favorite on account of its delightful fragrance; a half hardy perennial flowering during the entire season. Seeds started indoors in early Spring will make fine plants for Summer blooming. Can also be sown outdoors in May.

**Giant Hybrids.** Mammoth sweet-scented flowers in great variety. Pkt. 10 cts.

**Humulus Japonicus (Japan Hop)**

Very ornamental and rapid growing climber with handsome, finely cut foliage, which does not suffer from heat or the attack of insects. 15 to 20 ft. Hardy annual.

**Green Foliage**..... Pkt. 10 cts.  
**Variegated Foliage**..... Pkt. 10 cts.

**Hunnemannia (Giant Tulip Poppy)**

Seed may be sown in May and will flower first season. Foliage is finely cut, similar to California Poppy.

**Fumariaefolia.** Golden yellow. Pkt. 10 cts.

**IBERIS.** See *Candytuft*.

**INDIAN SHOT.** See *Canna*.



Larkspur—Annual Delphinium.  
Very effective in beds or shrubbery border.

**Ice Plant**

Trailing plant, the leaves and stems are covered with crystalline globules, giving it the appearance of being covered with ice. Half-hardy annuals.  $\frac{1}{2}$  foot. Pkt. 10 cts.

**Impatiens**

**Holsti Hybrids** (Sultan Balsam). Charming plants for table decorations. Do well in a semi-shady location during the Summer. 18 in. Pkt. 15 cts.

**Ipomoea**

Splendid climbers, with large, bright-colored flowers; they are exceedingly pretty when grown among other climbers. Hardy annual.

**Noctiflora hybrida** (Moonflower). Large, fragrant white flowers. Pkt. 10 cts.

**Kochia (Summer Cypress)**

**Trichophylla** (Mexican Firebush). Pretty little bushes of pyramidal shape, foliage delicate green, turning bright red in autumn; the tiny, brilliant scarlet flowers are borne in great profusion. Excellent for temporary hedges. Pkt. 10 cts.

**Lantana**

One of the most desirable half-hardy perennial greenhouse or bedding plants, constantly in bloom; Verbena-like heads of orange, white, rose, and other colored flowers; 2 to 3 ft. Mixed colors. Pkt. 10 cts.

**Larkspur (Annual Delphinium)**

A most desirable and beautiful genus, the prevailing hue of whose flowers is blue. Hardy annuals.

**Dwarf Rocket.** Finest mixed double. 1 ft. Pkt. 10 cts.

**Tall Rocket.** Finest mixed double. 2 $\frac{1}{2}$  ft. Pkt. 10 cts.

**Double Stock Flowered, Finest Double Mixed.** 3 ft. Pkt. 10 cts.

**Exquisite Beautiful Soft Pink**..... Pkt. 10 cts.

**Dark Blue**..... Pkt. 10 cts.

**Sky Blue**..... Pkt. 10 cts.

**White**..... Pkt. 10 cts.

**Linaria Fairy Bouquet**

Free flowering plants compact, about eight inches high, covered with Snapdragon-like flowers of all the popular pastel shades. Pkt. 10 cts.

**Linum (Flowering Flax)**

The garden varieties of this are conspicuous for their brilliant colors. Hardy annuals.

**Grandiflorum rubrum.** Brilliant dark scarlet. Pkt. 10 cts.



Everlasting Helichrysum.

Especially adapted in baskets and vases for winter decorations.

**GARDEN GUIDE.** (Amateur Gardener's Handbook.) The best book for the novice. Explains every step in gardening from plowing the soil to storing the products. Beautifully illustrated. Revised up-to-date, 576 pages. 300 teaching illustrations. Price \$2.65 Postpaid.

### Lobelia

Low-growing plants, admirably adapted for the front lines of ribbon borders, and for vases and hanging baskets. Half-hardy annuals.

**Mixed Erinus Varieties.** Pkt. 10 cts.

**Erinus Crystal Palace compacta.** A compact, deep blue variety. 2 ft. Pkt. 10 cts.

### Lupine

**Hartwegi, Giants Improved.** Easily and quickly grown annuals. 3 to 4 ft., branching with 4 to 6 flower spikes. Mixed. Pkt. 10 cts.

### Marigold

The African varieties are stronger in habit, and produce larger flowers than the French sorts. The striped varieties vary considerably in their markings; they are sometimes blotched or striped and sometimes beautifully gold-laced. The African is the tallest and most striking in large beds, while the French varieties are admirably adapted for small beds or as a foreground to taller plants. Half-hardy annuals.

**African Quilled.** Orange, brown and yellow. Mixed. 2 ft. Pkt. 10 cts.

**Dixie Sunshine.** Brilliant golden-yellow. Fully double. Fascinating whether in garden or arranged for home decorations. Pkt. 25 cts.

**Eldorado.** The flowers are globular, as perfectly double as a show Dahlia, and of enormous size, measuring 3½ to 4 in. across. They embrace four shades of color—the lightest primrose, lemon, rich golden yellow and deep intense glowing orange. Pkt. 10 cts.

**Guinea Gold.** Graceful semi-double flowers, broad wavy petals, brilliant shade of orange flushed with gold. Pkt. 10 cts.

**Yellow Supreme.** Dazzling lemon-yellow honey fragrance, long standing cut-flower. Profuse Early Blooming. Pkt. 25 cts.

**French Dwarf Monarch Strain.** Orange, brown and yellow. Mixed. 1 ft. Pkt. 10 cts.

**Legion of Honor (Little Brownie).** Single golden yellow with a large spot of crimson velvet. 1 ft. Pkt. 10 cts.

**Tagetes Signata Pumila.** First class border plant, 9 in. tall, flowers bright golden yellow. Pkt. 10 cts.

**For Pot Marigold, see Calendula.**

### Marvel of Peru (Four o'Clock)

The flowers—red, white, yellow and variegated—grow in clusters to the summit of the stem. They are exceedingly fragrant, expanding in the evening and withering in the morning. The roots may be preserved through the Winter, like Dahlias. Hardy annuals.

**Finest Mixed.** 2 ft. Pkt. 10 cts.

### Maurandia

**Barclayana.** Beautiful twining purple, rose and white flowers. Splendid for hanging baskets, window boxes, etc., blooming from seed the first season when started early. Pkt. 15 cts.



French Dwarf Marigolds.  
Unequalled for borders or bedding.



**Mignonette**—No garden is complete without a bed of Mignonette.

### Mimosa (Sensitive Plant)

A very interesting and curious plant, its leaves closing if touched or shaken. Half-hardy annuals. Pkt. 10 cts.

### Mignonette

The Mignonette (*Resseda odorata*) is universally a favorite on account of its delicate fragrance. Thin the plants to 6 inches apart, and pinch off the tops when 2 inches high; this will make the plants stronger with larger flower spikes. Hardy annuals.

**Large-Flowering.** The old favorite, sweet-scented variety. Pkt. 10 cts., oz. 20 cts.

**Machet.** A French variety, with broad spikes of fragrant, red flowers. Pkt. 10 cts.

### Mimulus (Monkey Flower)

Comprises numerous varieties, with white, sulphur and yellow grounds spotted crimson, scarlet and pink. They luxuriate in damp, shady situations and bloom freely in the early Summer months. Half-hardy perennials.

**Musk-scented**..... Pkt. 15 cts.

**Tigrinus.** An exceedingly beautiful, new, blotched and spotted hybrid. Mixed. Pkt. 10 cts.

**MORNING GLORY.** See *Convolvulus*, page 9.

**Finest Mixed.** 15 ft. Pkt. 10 cts.

### Nemesia

**Strumosa Suttoni.** A fine little plant for small beds. Leaves are whorled, terminal racemes of white and purplish tinted flowers. Pkt. 10 cts.

### Nicotiana (Tobacco Plant)

Flowers borne in clusters, long, tube-shaped, opening toward evening and emitting a powerful and pleasant odor.

**Affinis.** White. 3 ft..... Pkt. 10 cts.

### Nigella (Love-in-a-Mist)

An interesting hardy annual with curious double flowers nestling in its feathery, bright green foliage. 1 foot.

**Miss Jekyll.** Blue..... Pkt. 10 cts.

## Nasturtium

Nasturtiums are valuable Summer flowering plants for the reason that they require but little care and stand heat and drought well. Seed sown in the Spring in any fair garden soil not too rich, will produce a profusion of blooms. The colors include all the shades of yellow and scarlet, often spotted and striped. The leaves of some are very light, transparent green, while in others they are very dark, almost purplish. In mixtures which we make up of separate named sorts, the best English, also French and American-grown varieties are found in great variety and cannot be surpassed. Hardy annuals.

### Glorious Gleam Hybrids

#### All American Gold Medal Winners.

**Double Golden Gleam Sweet-Scented.** The large double golden yellow flowers on long stems, the most popular novelty of the past two seasons. Pkt. 10 cts., oz. 25 cts.

**Double Scarlet Gleam Sweet-Scented.** Dazzling in color, delightfully sweet-scented extra large lovely flowers. Pkt. 10 cts., oz. 50 cts.

**Double Orange Gleam.** Deep glowing orange. Sweet-scented and fine for cutting. Pkt. 25 cts.,  $\frac{1}{4}$  oz., 40 cts., 1 oz., \$1.25.

**Double Gleam Hybrids Finest Mixed Sweet-Scented**—Evenly balanced blend of brilliant shades on long stems. Pkt. 10 cts., oz. 35 cts.

**Dwarf Double Golden Globe.** Free flowering dwarf and compact. Deep golden yellow. Sweet scented. Pkt. 10 cts., oz. 50 cts.

**Dwarf Double Gem Mixture.** Dwarf and compact totally without runners. Add charm to your garden with Dwarf Gem Nasturtiums. Pkt. 25 cts.,  $\frac{1}{4}$  oz. 50 cts., oz. \$1.50.

#### TOM THUMB NASTURTIUMS

The Dwarf or Tom Thumb Nasturtiums are unrivaled in beauty and effect. Thrive in poor soil; useful for bedding. 12 inches high.

**Cadwell & Jones Splendid Mixed.** Our own Mix-Cadwell & Jones Splendid Mixed. Our own Mix-ture. Pkt. 10 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00.



### New Gleam Hybrid Nasturtiums Double Varieties

#### TALL NASTURTIUMS

**Cadwell & Jones Splendid Mixed.** Our own Mix-ture. Pkt. 10 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00

## Pansy

The Pansy is very popular and too well known to need description. Seed sown from the middle of July to the middle of August and protected through the Winter in coldframes or with a light covering of litter will greet you in the earliest Spring with a profusion of blossoms. When sown in the Spring get it in as early as possible, either in a hotbed or in the open. Hardy perennial.



**Pansies.** Highly esteemed for their beauty and great variety of colors.

## Passiflora (Passion Flower)

**Coerulea.** Ornamental, fast-growing perennial climbers with large, blue flowers for conservatory or outside during Summer. Pkt. 15 cts.

**Cadwell & Jones' Splendid Mixed.** A superior mixture, selected from choice, large flowering strains of English and French growers. Pkt. 15 cts.

**Empire Strain Pansy.** This unexcelled mixture represents the highest perfection of large flowering, new high-colored sorts. Their brilliancy and richness are most striking. Pkt. 25 cts.

**Engelmann's Giant Finest-Mixed.** Vigorous compact growing, early flowering, large flowers containing a great variety of rich colors. Pkt. 25 cts.

**Pure White.** A delicate white. Pkt. 10 cts.

#### IMPROVED SWISS GIANTS

**Apenglow.** Color a rich velvety garnet; varies. Pkt. 20 cts.

**Berna.** Dark violet blue. Pkt. 20 cts.

**Lake of Thun (Ullswater).** Distinct rich deep ultramarine blue. Ideal for bedding. Pkt. 20 cts.

**Rhinegold.** Golden yellow with splendid deep brown blotches. Pkt. 20 cts.

**Swiss Giants Mixed (Roggli Hybrids).** Very attractive blotched colors of unusually robust habit. Pkt. 20 cts.

**TUFTED PANSIES.** Violas, see page 19.

## Pentstemon

**Grandiflora Mixed.** Seed sown in February or March will make a fine display the same season. 2 to 3 ft. Pkt. 10 cts.

**Blue Gem.** Hardy. See page 19.

## Physalis

**Francheti** (Chinese Lantern Plant). Hardy perennial, fruiting first year from seed when started early. The fruits may be seen in florists shops and are interesting; of splendid decorative value. Pkt. 10 cts.



Petunias—For outdoor decoration or window boxes few plants equal Petunias in effectiveness.

### Phlox drummondii

These flowers are of extreme beauty, and are greatly admired by all. Their long duration in bloom combined with their almost unequalled richness of color renders them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox drummondii is rarely to be seen. Half-hardy annuals.

**Grandiflora.** A much improved strain with very large flowers in great variety of colors.

**Finest Mixed.** Pkt. 10 cts.

**Alba.** Pure white. Pkt. 10 cts.

**Bright Rose.** Pkt. 10 cts.

**Brilliant.** Bright scarlet. Pkt. 10 cts.

**Black Warrior.** Dark crimson. Pkt. 10 cts.

**Gigantea. Art Shades Mixed.** Absence of harsh colors in this wonderful mixture should appeal to those who are looking for soft color effects. Pkt. 25 cts.

**PHLOX decussata.** Hardy perennial, see page 19.

### Poppy

A showy and easily cultivated hardy annual, with large and brilliantly colored flowers, and growing freely in any garden soil, producing a fine effect in large clumps or mixed beds. Sow early in the Spring where they are to remain, as they will not bear transplanting. 2 feet. **Carnation-flowered.** Double mixed. 2 ft. Pkt. 10 cts. **French, Ranunculus-flowered.** Double mixed. 2 ft. Pkt. 10 cts.

**Shirley.** These are generally single or semi-double; color extending from pure white through the most delicate shades of pale pink, rose and carmine to deepest crimson. Pkt. 10 cts.

**White Swan.** The flower is of fabulous size, very double, lacinated, of the purest possible white. Pkt. 10 cts.

### Portulaca (Sun Plant)

Hardy annuals of the easiest culture, luxuriating in an exposed sunny situation, and producing flowers of almost every hue in the greatest profusion.  $\frac{1}{2}$  ft.

**Splendid Mixed.** Single, all colors. Pkt. 10 cts.

**Large-flowering.** Double mixed. Pkt. 10 cts.

### Primula

**Obconica grandiflora.** A lovely, profuse blooming Primrose, bearing on long, slender stems, about 9 in. in height, beautiful single flowers, white, shaded lilac. An excellent house plant. Pkt. 25 cts.

### Petunia

Favorite plant, succeeding well in any rich soil. For the brilliancy and variety of their colors, abundance of flowers and the long duration of their blooming period, they are indispensable in any garden.

**California Fringed Ruffled Giants.** Enormous flowers, having edges of petal beautifully ruffled and fluted. Pkt. 20 cts.

**New Dwarf California Giants.** A fine strain of Giant Petunias, suitable for pot culture, large, open throats well marked and veined. Pkt. 20 cts.

**Striped and Blotched.** Extra fine mixed. Pkt. 10 cts.

**Double Large-flowering.** Mixed. Pkt. 25 cts.

**Pink Gem.** Dwarf compact. Pkt. 15 cts.

**Purple Prince.** Large Purple. Pkt. 25 cts.

**Silver Blue.** Heavenly Blue. Pkt. 10 cts.

**Steel Blue.** Large Veined. Pkt. 25 cts.

**Theodosia.** Rosy Pink, Golden Center. Pkt. 25 cts.

**White Beauty.** Large White. Pkt. 25 cts.

**Rosy Morn.** Bright pink, a lovely shade for bedding out. Pkt. 10 cts.

**Balcony Type.** A splendid, free flowering type for bedding or window boxes, vases, hanging baskets, etc. Flowers average 3 in. across and are of rich colors. Finest mixed. Pkt. 10 cts.

**Rose of Heaven.** Brilliant clear rose valuable for bedding, also as potted plants for greenhouse and conservatories. Pkt. 10 cts.

**Snowball.** A dwarf compact variety, producing satin white flowers. Pkt. 10 cts.

**Violacea.** Very deep violet. Pkt. 10 cts.

**Martha Washington.** Blush Pink at the edges, dark violet in throat, heavy veining, 9" tall, excellent for bedding, border and window boxes. Pkt. 25 cts.

**Elks Pride.** Large flowering, velvety violet. Pkt. 20 cts.

**Victorious. All Double Giant Fringed Mixed.** Famous new strain. 100% double. Noted for its wonderful color strain. Pkt. 50 cts.

### Rhodanthe (Swan River Everlasting)

Charming annual, succeeds in a light rich soil and a warm, sheltered situation; valuable pot plant. 1 ft. Mixed colors. Pkt. 10 cts.

### Ricinus (Castor Oil Bean)

Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue and long spikes of prickly capsules of scarlet and green. Grows quickly in rich soil. Tender annual.

**Gibsoni.** Handsome, deep red foliage. Pkt. 10 cts.

**Sanguineus.** Leaves green, stalks blood red, showy red fruit. 8 ft. Pkt. 10 cts.

**Zanzibariensis.** The leaves of this new variety attain a gigantic size, measuring 2 to  $2\frac{1}{2}$  ft. across, and include light and dark green and coppery-bronze colors. The plant forms a noble pyramid. 12 to 14 ft. high. Pkt. 10 cts.

### Salpiglossis

Beautiful. Autumn-blooming plants with funnel-shaped flowers, curiously veined and marbled. Half-hardy annuals.

**Large-flowered.** Finest mixed.  $1\frac{1}{2}$  ft. Pkt. 10 cts.

### Salvia

#### (Flowering Sage)

One of the most beautiful of all flowers; brilliant spikes of scarlet flowers produce for months a dazzling effect. Half-hardy perennials.

**Farinacea (The Blue Salvia.)** Pkt. 10 cts.

**Splendens Bonfire.** Vivid scarlet. Pkt. 10 cts.



Large Flowering Salpiglossis—Attractive Gloxinia like blossoms in a wide range of colors.

**Scabiosa**

**Mourning Bride, or Sweet Scabious.** The flowers are quite double and globular, varying in all shades of white, carmine, maroon, lilac, etc. 1 ft. Pkt. 10 cts.

**Blue Cockade.** Pleasing conical heads deep azure blue. Pkt. 10 cts.

**Giant Azure Blue.** Pkt. 10 cts.

**Peach Blossom.** Pkt. 10 cts.

**Shasta Pure White.** Pkt. 10 cts.

**Schizanthus**  
(**Butterfly, or Fringe Flower**)

Erect growing for the house or garden. Noted for its wonderful variety of coloring. Of easy culture; its peculiarly shaped and oddly marked flowers fine for cutting.

**Hybridus grandiflorus.** Finest mixed. Pkt. 10 cts.

**Wisetonensis.** One of the finest large flowered sorts, colors ranging from pink with brown center to white, yellow center. Excellent for pot plants. Pkt. 15 cts.

**SENSITIVE PLANT.** See **Mimosa**.

**Snapdragon (Antirrhinum majus)**

An old border plant with dark and glossy leaves and large, curiously shaped flowers, with finely marked throats. They have been much improved of late years by careful selection. They blossom the first season from seed sown in Spring. Tender perennials.

	Pkt.
<b>Pure White</b> .....	\$0.10
<b>Yellow</b> .....	.10
<b>Delicate Rose</b> .....	.10
<b>Finest Mixed</b> .....	.10

**Maximum or Super Giants.** A new strain of tall growth, producing gigantic flowers. 3 ft.  
**Finest Mixed**..... Pkt. 10 cts.  
**Appleblossom.** Soft pink..... Pkt. 10 cts.  
**Canary Bird.** Canary yellow..... Pkt. 10 cts.  
**Copper King.** Bronzy copper color..... Pkt. 10 cts.  
**Old Gold.** Rose on yellow ground..... Pkt. 10 cts.  
**Snowflake.** Dazzling white..... Pkt. 10 cts.  
**The Rose.** Rich rose pink..... Pkt. 10 cts.

**Stocks, Gilliflower (Ten Weeks)**

All the varieties are desirable as pot plants as well as in the open garden. They are greatly prized for cut flowers on account of their fragrance and diversity of colors. To have a continuous succession of bloom, sow at intervals from the beginning of March to the end of May. Half-hardy annuals.

<b>Large Flowering Ten Weeks.</b>	Fine for pot plants.
	Pkt.
<b>Finest Mixed</b> .....	\$0.10
<b>Brilliant Rose</b> .....	.10

**Pure White**..... .10



Stocks.

Delightful, charming fragrance and free-blooming character have made Stocks a favorite plant.

**Statice Annual**

**Bonduelli.** Popular flowers used extensively by florists. Bright yellow. 36 in. Pkt. 10 cts.

**Sinuata rosea superba.** Bright rose. Pkt. 10 cts.

**Sinuata True Blue.** Rich blue. Pkt. 10 cts.

**Sinuata alba.** White. Pkt. 10 cts.

**“Surprise****Packet”****Flower Seeds**

This mixture of flower seeds is a source of great curiosity and is specially suitable for children's gardens. There are so many different kinds of flowers in it that it produces a mass of bloom continuously from early Summer until frost. Sow thinly, scattering the seeds on the surface of the soil, in beds or borders, rake lightly and firm the soil with the back of a spade. Where the seedlings come up too close together, thin out or transplant. Pkt. 10 cts., oz. 25 cts.

**Thunbergia**

Extremely ornamental, free blooming climbers, of rapid growth, handsome foliage and much admired flowers; good for greenhouses or in warm situations out-of-doors. Half-hardy annuals.

**Mixed Varieties.** Pkt. 10 cts.

**Tithonia—Speciosa**

**Mexican Sunflower.** The flowers remind one of a large single Zinnia. Color dazzling orange scarlet growing 4 ft. tall. Pkt. 10 cts.

**Torenia**

**Fournieri.** A splendid plant for vases, hanging baskets, borders, etc. Sky-blue, bright yellow center. 1 ft. Pkt. 15 cts.

**Verbena**

Verbenas in quantity are more easily obtained from seed than from cuttings, and there is, moreover, a chance of raising novelties. Sown in Spring they flower quite early in the season, and a single plant in good rich soil will cover a space 4 or 5 feet in diameter, producing, if the flowers are cut as they fade, a mass of bloom until killed by frost. Half-hardy perennials.

<b>Mammoth Extra Fine Mixed</b> .....	Pkt. 10 cts.
<b>Blue, White Eye</b> .....	Pkt. 10 cts.
<b>Luminosa Flame Pink</b> .....	Pkt. 10 cts.
<b>Purple</b> .....	Pkt. 10 cts.
<b>Scarlet</b> .....	Pkt. 10 cts.
<b>White</b> .....	Pkt. 10 cts.

**Vinca (Madagascar) Periwinkle)**

Dark green foliage, flowering the first year from seed when started early. Excellent for borders and bedding out. Pretty pink and white flowers. 1 ft.

**Bright Rose**..... Pkt. 10 cts.

**Pure White**..... Pkt. 10 cts.

**Venidium—Fastuosum**

Deep Orange daisy-like flowers marked with dark reddish brown center. Pkt. 15 cts.



Snapdragon.

One of the most showy plants in our gardens easily grown from seed.



Mammoth Verbenas

# Giant Spencer Sweet Peas



In view of the ever-increasing number of new Sweet Peas, we take pleasure in offering the following select up to date list for general garden use.

**Use Culture for prize Sweet Peas.** See page 45.

**Prices, all varieties, except where noted:**

Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 60 cts.

**Ambition.** Rich Deep Lavender.

**Avalanche.** Immense glistening White.

**Beauty.** Vigorous Blush Pink.

**Charming.** Brilliant Shade Deep-Cerise.

**Damask Rose.** Bright Rose-Carmine.

**Flamingo.** Orange Scarlet Sunproof.

**Geo. Sawyer.** Giant Orange Pink.

**Gleneagles.** Beautiful tone of Light Blue.

**Magnet.** Richest, brightest and best Cream Pink.

**Mayfair.** Largest Shell Pink on White Ground.

**Olympia.** Immense Rich Purple.

**Pinkie.** Large Frilled Rose Pink.

**Pirate Gold.** Distinct Golden Orange.

**Powercourt.** Popular Clear Pure Lavender.

**Red Boy.** The very best Crimson.

**Sextet Queen.** Pure White flowers, perfect form.

**Smiles.** Exquisite clear glistening Salmon.

**Sunkist.** Dainty Cream Rose Edge.

**What Joy.** Frilled Deep Cream.

**Welcome.** Brilliant Dazzling Scarlet.

**Youth.** Large White Ground Picotee Pink.

**SWEET PEA BRUSH.** 4 to 6 feet.



Sweet Peas are unexcelled for cut flowers and bouquets.

## CADWELL & JONES' GIANT SPENCER VARIETIES, MIXED

The best of the Spencers in a selected mixture. Without an equal and cannot fail to give satisfaction.

Pkt. 10 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts.,  $\frac{1}{2}$  lb. \$1.00, lb. \$1.60.

# Sweet Peas, Early Flowering

**Prices All Varieties Except Where Noted:** Pkt. 10 cts., oz. 50 cts.

**Annie Laurie.** Rich Pure Rose Pink.

**Balls Rose Improved.** Deep Rose Pink.

**Blue Bonnet.** Fine Clear Blue.

**Exposition Pink.** Gorgeous Rich Pink.

**Jeanne Mamitsch.** Rose Pink, Long Stems.

**Hope.** Pure Black Seeded White.

**Lady Gay.** Soft Shrimp Pink.

**Lavanda.** Pure Clear Lavender, Excellent.

**Majestic Rose.** Brilliant Rose Pink.

**Mrs. Herbert Hoover.** Bright Blue, Long Stems.

**Red Bird.** Bright Crimson Red.

**Snowstorm Improved.** Desirable White.

**Valencia.** Bright Sunproof Orange.

**Early-Flowering Spencers—Finest Mixed.** A choice well blended mixture. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.00.

# Wild Cucumber

Rapid growing annual climbers. 20 feet. Pkt. 10 cts.

## Zinnia California Giants

The flowers are very large and flat with long stems giving a graceful effect.

All varieties 10 cts. per pkt.

**Cerise Queen.** Beautiful Rose.

**Enchantress.** Light Rose.

**Lemon Queen.** Golden Yellow.

**Lavender Gem.** Deep Lavender.

**Miss Wilmott.** Soft Pink.

**Orange-King.** Orange Scarlet.

**Purity.** Finest White.

**Rose Queen.** Bright Rose.

**Scarlet Gem.** Deep Scarlet.

**Violet Queen.** Deep Purple.

**California Giants.** Mixed.

**Fantasy, Finest Mixed.** Color range includes the brightest shades of red and orange as well as the popular pinks. The rounded flowers are composed of a mass of shaggy petals. Pkt. 15 cts.

**Scabious Flowered-Mixed.** Free flowering includes all the popular color shades useful in artistic flower arrangements. Pkt. 15 cts.



Giant Dahlia-Flowered Zinnias.  
One of the most brilliant annuals for garden decoration and cutting.

## Zinnia (Giant Dahlia-flowered)

Come in the pastel shades, being very distinctive. Flowers often measure 8 inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

Care has been taken to select seed from the best flowers, and the mixture we offer contains a wonderful range of beautiful colors. **Mixed** Pkt. 10 cts.

**Polar Bear.** The best large, pure white Zinnia yet seen. Pkt. 10 cts.

**Exquisite.** Tyrian rose color, light rose, with center deep rose. Pkt. 10 cts.

**Crimson Monarch.** By far the largest and best red Zinnia. Pkt. 10 cts.

**Oriole.** It is an immense orange and gold bicolor. Pkt. 10 cts.

**Buttercup.** An immense, deep, creamy yellow. A very desirable flower, which should be included in every collection. Pkt. 10 cts.

**Picotee Type.** The flowers are large and very effective in appearance. **Mixed**, pkt. 10 cts.

**Tom Thumb.** Choice double mixed. Pkt. 10 cts.

**Pompon.** Flowers about one-half the size of ordinary varieties and very double. **Mixed**, pkt. 10 cts.

**Crown-O' Gold—Desert Gold.** Large deep Golden Yellow bicolor. Pkt. 15 cts.

# Hardy Perennial Flower Seeds

Hardy perennials appeal mostly to people who have not the time to bother with plants that have to be reset every Spring. Hardy plants will increase in beauty each year. Most all perennial seeds planted in the Spring bloom the following year. Seeds planted in August will give excellent results and will bloom the next season.

**ACHILLEA, The Pearl** (Sneezewort; Milfoil). Double, pure white, Daisy-like flowers; blooms from June till October. 2½ ft. Pkt. 10 cts.

**ACONITUM** (Monkshood). Long spikes of helmet-shaped flowers, excellent for shady locations.

**Napellus.** Dark blue. August and September. 3 ft. Pkt. 10 cts.

**AGROSTEMMA coronaria** (Rose of Heaven). Attractive flowering perennial, producing bright crimson and white flowers. Fine for cutting. 2 ft. Pkt. 10 cts.

**ALYSSUM saxatile compactum** (Gold Dust). Bright yellow, early Spring flowering. 9 in. Pkt. 10 cts.

**ANEMONE coronaria.** Poppy-flowered, producing showy large flowers. 1½ ft. Pkt. 10 cts.

**ANCHUSA italicica, Dropmore Variety** (Alkanet). One of our finest blue flowered plants. Blooms in June. Pkt. 10 cts.

**ANTHEMIS.** A very pretty plant, producing Daisy-like, golden yellow flowers all Summer.

**Tinctoria kelwayi.** Pkt. 10 cts.

**AQUILEGIA (Columbine).** This flower is one of the earliest of the hardy perennials to bloom. The colors range from pale yellow to purple.

**Long-Spurred Hybrids.** Pkt. 10 cts.

**ARABIS alpina** (Rock Cress). Fine rockery and border plant, pure white, flowers from April to June. 6 in. Pkt. 10 cts.

**ARMERIA formosa** (Sea Pink or Thrift). Pretty rose-pink flowers for edgings, blooming all Summer. 1 ft. Pkt. 10 cts.

**ASCLEPIAS tuberosa** (Butterfly Weed). A hardy plant, producing umbels of orange-colored flowers from June to September. 2 ft. Pkt. 10 cts.



Long-Spurred Columbine.

**ASTER** (Michaelmas Daisies). Perennial sorts. Single hardy plants thriving in any good garden soil. Sown early, will flower first season. 3 ft. Pkt. 15 cts.

**AUBRIETIA** (Rainbow Rock Cress). Large flowering hybrids. Beautiful dwarf rock plants. Bright flowers 6 in. tall. Pkt. 15 cts.

**BAPTISIA australis** (False Indigo). Handsome bright blue flowers on spikes 6 inches long. 3 ft. Pkt. 15 cts.

**BOCCONIA japonica** (Plume Poppy). Grown in clumps or single specimens, they produce a marked effect on lawns and elsewhere, creamy white flowers with glaucous foliage. 2 to 3 ft. long. 5 ft. Pkt. 10 cts.

**BOLTONIA latisquama** (False Camomile). Showy, hardy, with large clusters of lavender, pink, daisy-like flowers. 5 ft. Pkt. 15 cts.

**CAMPANULA carpatica.** Erect blue flowers useful for borders or rockery. 9 in. Pkt. 10 cts.  
**carpatica alba.** Erect white flowers. Pkt. 10 cts.

**CAMPANULA** (Bellflower).  
**Medium** (Canterbury-bells). Biennial. Plants grow in pyramidal form, bearing in profusion large bell-shaped flowers.  
**Single Flowering: Blue**, pkt. 10 cts., **White**, pkt. 10 cts.; **Pink**, pkt. 10 cts.; **Fine Mixed**, pkt. 10 cts.

**Double Flowering, Finest Mixed.** 3 ft. Pkt. 10 cts.

**Calycanthema** (Cup-and-Saucer). 2 ft.

**Finest Mixed.** Pkt. 10 cts.

**C. persicifolia grandiflora caerulea.** Deep blue; extra long, erect stems. 2 ft. Pkt. 10 cts.

**C. persicifolia grandiflora alba.** Pure white. 2 ft. Pkt. 10 cts.

**CANDYTUFT sempervirens.** The evergreen Candytuft, with glossy, deep green foliage and white flowers. Pkt. 10 cts.

**CARNATION Picotee.** Fine double mixed. A splendid strain of double Picotee; edges of petals bordered with various colors. Pkt. 10 cts.

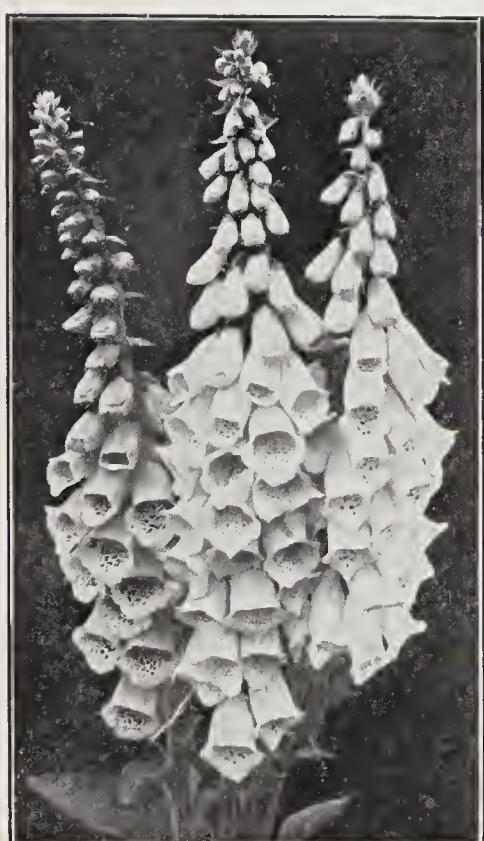
**CENTAUREA montana** (Perennial Cornflower). Large violet-blue flowers from July to September. 2 ft. Pkt. 10 cts.

**CERASTIUM tomentosum** (Snow-in-Summer). Pretty dwarf white-leaved edging or rock plant, small, white flowers. 1 ft. Pkt. 10 cts.

**CHEIRANTHUS allioni** (Siberian Wallflower). Brilliant orange-yellow, dwarf. Pkt. 10 cts.

**Linifolium** (Alpine Wallflower). Compact plants, 9 inches high, with numerous bright mauve flowers, makes a neat line. Pkt. 10 cts.

**COREOPSIS grandiflora.** Golden yellow flowers of large size, most useful for cutting and effective in border masses, blooms all Summer. 2 ft. Pkt. 10 cts.



Digitalis—Foxglove.



Double Hollyhocks.  
Without equal for forming background for other flowers.

**EREMURUS robustus.** Most attractive soft pink perennials, bearing in summer massive spikes, requiring rich soil. 8 ft. Pkt. 25 cts.

**EUPATORIUM ageratoides.** A very useful variety with dense heads of minute white flowers. 4 ft. Pkt. 10 cts.  
*fraseri.* Pretty dwarf variety with clusters of snow-white flowers. 1½ ft. Pkt. 10 cts.

**GAILLARDIA grandiflora** (Blanket Flower). Red and yellow, showy, good for cutting. July to October. 3 ft. Pkt. 10 cts.

**GEUM, Mrs. Bradshaw.** Hardy, showy orange-scarlet flowers of easy cultivation well adapted for the flower garden. Fine for cutting. July to October. 2 ft. Pkt. 10 cts.

**Lady Stratheden.** Double golden yellow. Pkt. 15 cts.

**GYPSOPHILA paniculata** (Cloud Plant). This is one of the most useful and graceful of hardy perennial plants, the tiny white flowers being borne in myriads on slender stems. Pkt. 10 cts.

**HELIANTHEMUM mutabile** (Rock or Sun Rose). Dwarf hardy perennial, brilliant flowers, suited for dry soil and rockeries. 6 in. Pkt. 10 cts.

**HELENIUM autumnale.** Valuable hardy perennial, very striking and fine for cutting. 5 ft.

**Riverton Beauty.** Rich lemon-yellow, large purple cone. Pkt. 15 cts.

**Riverton Gem.** Flowers opening old gold, changing to wallflower red. Pkt. 15 cts.

**HELIANTHUS, Perennial Hybrids.** Very ornamental Sunflowers and useful for cutting. Pkt. 15 cts.

**HELIOPSIS pitcheriana** (Orange Sunflower). Hardy herbaceous plant, early flowering, 2 in. in diameter, of thick texture. Fine for cutting. 3 to 4 ft. Pkt. 10 cts.

**HEUCHERA sanguinea** (Coralbells). Fine hardy rich, bright coral-red flowers, excellent for cutting. 30 in. Pkt. 25 cts.

**HIBISCUS moscheutos Hybrids.** Large flowering Marshmallows in mixed colorings. Plants grow 5 to 8 ft. and are very floriferous. Pkt. 15 cts.

**HOLLYHOCK.** Hollyhocks add charm to every garden, and may be grown successfully with very little attention.

**Fine Mixed.** Double varieties from named flowers. Pkt. 10 cts.

**Double Maroon, Newport Pink, Rose, Scarlet, Snow-white, Yellow.** Each pkt. 10 cts.

**Single Finest Mixed.** Pkt. 10 cts.

**Imperator.** Charming elegantly frilled and deeply fringed petals. 5-6 inches across. Mixed. Pkt. 15 cts.

**LATHYRUS latifolius splendens** (Everlasting Pea). Beautiful climber for trellises or fences, flowers rosy-carmine, July and August. 8 ft. Pkt. 10 cts.

**LIATRIS spicata** (Blazing-star). Hardy, brilliant rosy purple flowers on long stems. Fine for cutting. July to Sept. 3 ft. Pkt. 10 cts.

**LINUM perenne.** Hardy, bright blue flowers. 2 ft. Pkt. 10 cts.

**LOBELIA cardinalis** (Cardinal-flower). Fine, hardy border plant. Brilliant scarlet flowers. 3 ft. Pkt. 25 cts.

**LUNARIA biennis, Honesty** (Satin Flower). Free flowering hardy biennial. Flat and broad seed pods which look like transparent silver; prized for Winter decoration. 2 ft. Pkt. 10 cts.

**DAISY, SHASTA** (Alaska). The best hardy pure white Daisy, large flowers, useful for cutting. Pkt. 10 cts.

**DELPHINIUM** (Larkspur).

**belladonna.** Beautiful, turquoise blue, continuous bloomer, spikes of good size. Pkt. 15 cts.

**Blackmore & Langdon's English Prize.** This is unquestionably the finest strain of Hybrid Larkspurs ever offered. The plants are of strong, vigorous habits with large flowers on spikes two feet and over long. Pkt. 25 cts.

**Gold Medal, Hybrids, Mixed.** This wonderful strain cannot be surpassed. Pkt. 25 cts.

**bellamosa.** Rich deep blue form of the popular light blue belladonna type. Pkt. 25 cts.

**Iceberg.** Pure white. Pkt. 35 cts.

**Wrexham, Hollyhock Flowered.** Enormous Hollyhock flowers of glorious shades of blues. Mixed. Pkt. 25 cts.

**DICTAMNUS fraxinella alba** (Gas Plant). Showy hardy perennial having fragrant foliage. Seed slow in germination. 2½ ft. Pkt. 15 cts.

**DIANTHUS plumarius** (Hardy Garden Pinks). Very free flowering with strong clove fragrance. 1 ft. Pkt. 10 cts.

**deltoides** (Maiden Pink). Beautiful, hardy bright pink flowers in abundance from May until August. Fine for rockeries. 6 in. Pkt. 10 cts.

**DIGITALIS** (Foxglove). Handsome ornamental plants of a stately growth and varied colors.

**gloxiniaeiflora, Fine Mixed.** Pkt. 10 cts.

**ECHINOPS ritro** (Globe-thistle). Striking plants. Excellent for back of hardy border; silvery thistle-like foliage, fine blue flowers; useful for cutting. 3 to 5 ft. Pkt. 10 cts.

**EDELWEISS** (Graphalium Leontopodium). Charming Swiss alpine plant, fine for rockwork or exposed places. 6 in. Pkt. 25 cts.



Delphinium—Gold Medal Hybrids.  
Hardy Larkspur.

**LUPINUS polypillus** (Lupine). Robust plant for clumps and naturalizing. Handsome blue flowers in spikes. June. 3 ft. Pkt. 10 cts.

**polypillus albus.** Pure white. Pkt. 10 cts.

**polypillus roseus.** Pink. Pkt. 10 cts.

**Finest Mixed.** Pkt. 10 cts.

**LYCHNIS.** One of the finest herbaceous perennials, perfectly hardy and very ornamental. Flowers of great brilliancy. **arkwrighti.** Rich effective colors. 2 to 3 ft. Pkt. 15 cts. **chaledonica** (Maltese Cross). Intense scarlet. 2 ft. Pkt. 10 cts. **LYTHRUM roseum superbum.** Spikes of bright rose-colored flowers during Summer and Fall. 3 ft. Pkt. 15 cts.

**MYOSOTIS alpestris Victoria** (Forget-me-not). Strong growing, dwarf habit, flowers large, globular, sky-blue, abundant. Pkt. 10 cts.

**Roseus.** Pkt. 10 cts.

**OENOTHERA** (Evening Primrose). Suitable for margins of shrubbery and perennial borders, with large clusters of showy, fragrant flowers.

**lamarckiana.** Extra large, yellow. Pkt. 10 cts.

**PENSTEMON** (Blue Gem). Very bright blue, desirable for rock gardens. Pkt. 20 cts.

**PHLOX decussata** (Hardy Phlox). Beautiful, hardy flowering plants, growing 3 ft. high, bearing large heads of waxy flowers of lovely shades of color. Pkt. 15 cts.

**PHYSOSTEGIA virginica** (False-dragonhead). Hardy perennial resembling a giant Heather, with beautiful pink flowers through Summer. 3 ft. Pkt. 15 cts.

**POLEMONIUM coeruleum** (Jacobs-ladder). Hardy border plant, bell-shaped, bluish purple flowers 1 in. across. May to July. 2 ft. Pkt. 10 cts.

**POLYANTHUS, Large-flowering. All colors mixed.** Charming early Spring-flowering plants; perfectly hardy and most effective for beds or massing. Pkt. 20 cts.

**POPPIES, Iceland.** Bright yellow, white and orange. **Mixed Single, or Double.** Each pkt. 10c.

**Oriental.** Very large, scarlet, with black blotch. 3 ft. Pkt. 10 cts.

**POTENTILLA. Single Hybrids Mixed.** Hardy plants for the border, brilliant orange, red and crimson flowers from July to October. 18 in. Pkt. 15 cts.

**PRIMULA DENTICULATA.** Attractive showy plants for rock gardens. White and Lilac. Pkt. each, 25 cts.

**PUERARIA thunbergiana** (Japanese Kudzu Vine). Fast growing, hardy plant, growing 8 ft. the first year from seed. When established, it will reach a height of 50 ft. Pkt. 10 cts.

**PYRETHRUM.** Very showy flowers of easy cultivation; valuable for cutting.

**roseum hybridum grandiflorum.**

**Double Finest Mixed.** 18 in. Pkt. 20 cts.

**Finest Single Mixed.** Pkt. 10 cts.

**ROCKET, Sweet Mixed.** The plants grow 2 ft. in height, surmounted by large panicles of brightly colored flowers. Pkt. 10 cts.

**RUDBECKIA newmanni** (Coneflower). Excellent for late Summer and Autumn. Each bloom like a miniature Sunflower, golden yellow, maroon center. 3 ft. Pkt. 15 cts.

**SAPONARIA ocymoides.** Showy hardy rock plant producing masses of bright rose flowers during the Summer months. 9 in. Pkt. 10 cts.

**SCABIOSA caucasica** (Pincushion Flower). Giant hybrids. Large, light blue flowers; blooms continuously throughout the Summer, making it invaluable as a cut flower. Height 2 ft. Pkt. 20 cts.

**SEDUM, Stone Crop, Mixed.** Glaucous foliage and bright flowers suitable for rockwork, edgings and dry situations. Hardy, 4 in. Pkt. 15 cts.

**STATICE latifolia** (Sea-lavender). Splendid purplish flowers either for border or rockery, producing panicles of flowers all Summer, which can be dried for Winter bouquets. Pkt. 10 cts.

**STOKESIA cyanea** (Cornflower Aster). Beautiful, hardy perennials, with handsome, lavender-blue and white Cornflower-like blossoms. 2 ft.

**Finest Mixed.** Pkt. 10 cts.

**SWEET WILLIAM.** These make matchless border plants and should be in every garden.



Veronica (Speedwell).  
Lovely border plant of rich color.

**Pink Beauty.** Large heads; color a rich salmon pink. Pkt. 10 cts.

**Newport Pink.** Pkt. 10 cts.

**Scarlet Beauty.** A very effective, rich deep scarlet variety. Pkt. 10 cts.

**Purple Beauty.** Pkt. 15 cts.

**Dark Crimson.** 18 in. Pkt. 10 cts.

**Pure White.** 18 in. Pkt. 10 cts.

**Auricula-Flowered, Finest Mixed.** Dark eyes Pkt. 10 cts.

**Double Finest Mixed.** Pkt. 10 cts.

**THALICTRUM aquilegifolium** (Meadow Rue). Hardy Columbine-like foliage and masses of feathery white flowers in June and July. 3 ft. Pkt. 10 cts.

**dipterocarpum.** A real garden gem, dainty, graceful sprays of flowers on stems 3 or 4 ft. high, valuable for cutting. Flowers violet, mauve, lemon; yellow stamens and anthers. Pkt. 25 cts.

**TRITOMA hybrida** (Red Hot Poker or Torch lily). Showy, hardy perpetual flowering spikes of orange-red flowers from July until August. Excellent for beds and borders. 3 to 4 ft. Pkt. 15 cts.

**TROLLIUS** (Ledebourii Orange Globe Flower). Excellent for cutting. 2 ft. Pkt. 20 cts.

**TUNICA saxifraga.** Especially adapted for the rockery or the margin of the hardy border, bearing throughout the entire season numerous elegant pink flowers. 6 in. Pkt. 10 cts.

**VALERIANA, Mixed.** Showy hardy border plants, with long spikes of old-fashioned red and white flowers ideal for bouquets. 2 ft. Pkt. 10 cts.

**VERONICA** (Speedwell). Long spikes of brilliant blue flowers, excellent for growing in shady places and requiring plenty of moisture.

**longifolia.** Rich blue. 3 ft. Pkt. 15 cts.

**VIOLA cornuta** (Tufted Pansies). Excellent flowering plants for partially shaded beds or borders.

**Mixed.** Finest varieties. Pkt. 10 cts.

**JERSEY GEM.** Pure violet. Pkt. 25 cts.

**WAHLENBERGIA** (Platycodon, Chinese Bellflower).

**grandiflora coerulea.** Blue. 3 ft. Pkt. 10 cts.

**grandiflora alba.** White. 3 ft. Pkt. 10 cts.

**Mariesi.** Dwarf compact sort with rich blue flowers. 1 ft. Pkt. 15 cts.

**WALLFLOWER.** Well-known plants, with large spikes of deliciously fragrant flowers, and beautiful deep colors. Half-hardy biennial.

**Double Branching.** Mixed colors. Pkt. 10 cts.

**Earliest Paris.** New single strain of fine colors, blooming quite early. Pkt. 10 cts.

**Single Branching.** Finest colors. Pkt. 10 cts.

## Summer-Flowering Bulbs and Tuberous Roots

### Amaryllis

**Giant Hybrids, Mixed.** One of the few bulbous plants that the amateur can grow easily in pots successfully, ranging in color from pure white grounds with varied markings of rose, red and crimson. 60 cts. each, \$6.50 per doz.

### Begonias

**Tuberous-rooted.** For shady places in the garden or lawn, also for pots or piazza boxes these bulbs are very desirable, blooming from July until frost. Start in house in March or April and remove to the open ground soon as danger of frost is past. Colors ranging from whites, scarlets, pinks, yellows. Mammoth bulbs. **Single**, 20 cts. each, \$2.00 per doz.; **Double**, 25 cts. each, \$2.50 per doz.



Tuberous-Rooted Begonias—Handsomest of all summer-flowering tuberous-rooted plants and deserve great popularity.

### Caladium

**Esculentum.** These well known Elephants-ears are most effective both as single plants on the lawn, masses in beds, or for margins of water. Each 20 cts., doz. \$2.00.

### Canna

Dormant roots. A class of plants especially suited to produce luxuriant foliage effects. Rich and varicolored leaves, large and beautiful flowers of brilliant colors. Each 10 cts., doz. \$1.00.

### Calla Elliottiana

#### (Yellow Calla)

Foliage spotted, flowers golden yellow. Excellent when planted in open borders, making a beautiful contrast. Desirable for pot plants.

**Extra Large Bulbs.** 45 cts. each, \$4.50 per doz.

### Gladioli

Up to date large flowering varieties. See Page 4.



Regale Lilies—One of the most beautiful garden lilies yet introduced.

### Lilies

Lilies can be planted with excellent results in the early Spring months. They thrive and grow luxuriantly planted throughout herbaceous borders.

**L. auratum platyphyllum** (Gold-banded Lily). Ivory-white blooms with a simple band of yellow dotted with purple. Mammoth bulbs, 30 cts. each, \$3.50 per doz.

**L. speciosum henryi.** Orange yellow, stately and showy very hardy. Mammoth bulbs. 30 cts. each, \$3.50 doz.

**L. speciosum rubrum (roseum).** Petals white, shaded deep rose and heavily spotted with red. Mammoth bulbs, 30 cts. each, \$3.50 per doz.

**L. speciosum album.** Pure white with a green band in the center of each petal. Large bulbs, 40 cts. each, \$4.00 per doz.

**L. myriophyllum** (Regale Lily). Flowers are white, slightly shaded with pink, with canary yellow center. Strong young bulbs. 30 cts. each, \$3.50 per doz.

### Tigrinum Splendens

**(Improved Tiger Lily)**  
Bright orange-red spotted with black. Very showy. Each 20 cts., doz. \$2.00.

**Flore-pleno** (Double Tiger Lily). Double showy flowers. Each 25 cts., doz. \$2.50.



### Tuberoses

**Excelsior Double Pearl.** Mammoth bulbs. Doz. 70 cts., 100 \$5.00. **Modern Decorative Dahlias.** See page 4.

## Hardy Rock Garden and Perennial Plants



Selections of hardy perennials can be made which may be expected to give seasonable blossoms throughout the Spring and Summer until late Fall.

Strong, field grown plants produced by a leading specialist nearby.

**All varieties 3 for 75c., \$2.50 per doz., except where noted. Orders for less than three of a variety cannot be accepted.**

Varieties not listed can be furnished at lowest prices. Heights and blooming periods given for comparison.

**Achillea, The Pearl** (Yarrow Milfoil). 2 ft. June to Oct.  
**Achillea tomentosa**. Bright yellow. June. 8 in.  
**Ajuga** (White Variegated Bugle). 6 to 8 in. May.  
**Ajuga genevensis**. Green. 6 to 8 in. May.  
**Alyssum** (Silver Alyssum). 1 ft. June to Aug.  
**Alyssum** (Goldentuft). 1 ft. April to June.  
**Anchusa italicica, Dropmore**. 5 ft. Blooms entire summer.  
**Anchusa myosotidiflora**. Blue. 18 in. April to May.  
**Anthemis** (Yellow Camomile). 2 to 3 ft. June to Oct.  
**Aquilegia** (Columbine). 2 to 3 ft. May to Aug.  
**Aquilegia Caerulea**. Blue. 3 ft. May-Aug.  
**Aquilegia, Mrs. Scott Elliott's Long Spurred Hybrids**.  
**Arabis** (Rockcress). 6 in. April to June.  
**Arenaria** (Mountain Sandwort). Creeping. June.  
**Armeria maritima** (Thrift). 1 ft. For Rockeries.  
**Artemesia**. White. Aug. to Sept. 3 to 4 ft.  
**Aubrieta** (Purple Rockcress). 6 in. April to May.  
**Astilbe**. Shading from light pink to deep rose. June to July. 2½ ft.  
**Campanula Medium**. (Canterbury Bells). Single and double. Blue, Rose and White. 2-3 ft. July.  
**Campanula Calycanthus** (Cup and Saucer). Blue, Rose and White. 2-3 ft. July.  
**Campanula** (Carpathian Bellflower). 8 in. June to Oct.  
**Campanula** (Peachleaf Bellflower). 2 ft. June, July.  
**Campanula rotundifolia** (Harebell). 1 ft. June to Aug.  
**Carnation, Picotee Rose And White**. Double. 2 ft. June, Sept.  
**Cerastium** (Snow-in-Summer). 6 in. June.  
**Cheiranthus** (Siberian Wallflower). 1 ft. June.  
**Chrysanthemums**. Good named varieties. Early bloomers. White, pink, yellow, bronze, red.  
**Convallaria majalis** (Lily-of-the-valley). White. 9 in. May to June. Single leads 15 cts., strong clumps 50 cts.  
**Coreopsis** (Tickseed). 2 ft. July to Sept.  
**Delphinium** (Hardy Larkspur). 1½ ft. to 4 ft. June, Sept. 2 yr. roots, 35 cts. each.  
**Delphinium, Blackmore Langdons English Hybrids**.  
**Delphinium, Wrexham Hollyhock Strain**.  
**Dianthus deltoides** (Maiden Pink).  
**Dianthus plumarius** (Grass Pink).

**Dicentra spectabilis** (Bleedingheart). 1 to 2 ft. May to July. Heart-shaped flowers.  
**Doronicum Caucasicum**. Yellow. 2 ft. Spring.  
**Eupatorium coelestinum**. Blue. 18 in. Aug. to Sept.  
**Foxglove, Mixed Varieties**. 2½ ft. June, July.  
**Gaillardia** (Blanketflower). 2 ft. June to Nov.  
**Gypsophila, Bristol Fairy**. 35 cts. each. \$3.75 per doz.  
**Gypsophila paniculata**. 3 ft. July to Oct.  
**Helianthemum** (Sunrose) trailing. June-July.  
**Hemerocallis** (Daylily). 2½ ft. June, July.  
**Heuchera** (Coralbells). 1½ ft. June, July.  
**Hollyhock, Double**. All colors. 6 ft. July, Aug.  
**Iberis** (Hardy Candytuft). 1 ft. May, June.  
**Iris Pumila**. (Dwarf Iris). Blue, yellow, purple and white. 2-6 in. May.  
**Jasione Perennis**. Blue. 6 in. July-Aug.  
**Liatris pychnostachya**. Light purple. July-Aug. 4 to 5 ft.  
**Linum** (Perennial Flax). 1½ ft. All Summer.  
**Lychnis viscaria** (Catchfly). 1½ ft. July, Aug.  
**Monarda** (Beebalm). Scarlet. 3 ft. June, Sept.  
**Papaver** (Oriental Poppy). 3 ft. June to Oct.  
**Penstemon** (Beardstongue). 4 ft. July.  
**Phlox** (Moss Phlox). Rose. 1 ft. April, May.  
**Primula** (Lanternplant). 1 to 3 ft. July to Oct.  
**Platycodon mariesi**. Blue. Dwarf. 6 in.  
**Polemonium** (Jacobs-ladder). 1½ ft. May to July.  
**Polemonium reptans**. Blue. 8 in. June to July.  
**Primula (Primrose) veris**. 9 in. April, May.  
**Pyrethrum** (Golden Pyrethrum). 2½ ft. June.  
**Rudbeckia** (Coneflower). 3 ft. July to Oct.  
**Salvia** (Azure Sage). 2 to 3 ft. Aug., Sept.  
**Sedum acre, forsterianum, sieboldi, sexangulare, spectabilis, tenuifolium**.  
**Sempervivum** (Houseleek, Hen-and-chickens). July.  
**Shasta Daisy, grandiflora**. 2 ft. June.  
**Sweet William**. Pink, scarlet, white. 2 ft. June.  
**Trollius europeus** (Globe Flower). Yellow. May-Aug. 1 to 2 ft.  
**Trollius Orange Globe**. Orange. 2 ft. May-Aug. 50 cts. each.  
**Veronica spicata** (Speedwell). 2 ft. June, Aug.  
**Vinca** (Myrtle, Creeping). Blue, yellow.  
**Viola cornuta, Jersey Gem**. 9 in. April, Sept.  
**Viola (Violet). Odorata Rosina**. Pink. Fragrant. 6 in.

**GIANT PANSIES, BELLIS DAISIES, ETC., IN SEASON, INCLUDING ANNUALS**

# Descriptive Price List

## Vegetable, and Farm Seeds

On account of values which we cannot anticipate All Prices in this Catalogue are subject to CHANGE WITHOUT NOTICE

**NOTICE FREE DELIVERY.** Peas, Beans, Corn and Onion Sets up to and including 10 pounds will be delivered postpaid in the first and second zones only, when cash accompanies order.

All flower and other vegetable seeds in packets, ounces,  $\frac{1}{4}$  pounds and pounds. Bulbs at single and dozen rates as quoted in this catalog will be postpaid anywhere in the United States unless otherwise noted.

We have, as near as possible, arranged the different varieties of each sort according to their season—that is the extra early kinds first, medium early next and so on.

We recommend the Semesan treatment for all seeds. See page 47.

**RELIEF-ORDERS.** We will accept Relief Orders when issued by any STATE, COUNTY or CITY RELIEF AGENCY or OFFICE when duly signed.

### Artichoke

Large green globe. Heads large and scales tender and excellent. Pkt. 10 cts., oz. 60 cts.

### Asparagus

Asparagus can be grown from seed or propagated from roots. Sow the seed in April or May on good soil, in drills 12 to 14 inches apart. When one or two years old, transplant as early in the Spring as the ground can be worked into permanent beds, made very rich and thoroughly trenched 2 feet or more in depth. Set the plants in rows 2 feet apart and 12 inches between the plants in the row. Care should be taken that the roots are well spread and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every Fall after the tops have been cut down, apply a dressing of coarse manure, and in the Spring fork it in. An occasional top dressing of salt is also beneficial, and keeps down the weeds.

**Washington.** Washington Asparagus is as far as possible an extremely rust-resistant, vigorous and high yielding strain of Giant Asparagus. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00.

### Asparagus Roots

**Washington.** The high yielding, vigorous, and rust-resistance of this variety makes it the most ideal type to plant. Roots are grown and are selected from true stock. \$1.50 per 100, \$10.00 per 1000.



Washington Asparagus.

### Broccoli-Italian Cauliflower

(Calabrese Green Heading)

One ounce will produce 3000 plants.

Give Broccoli the same cultivation as Cauliflower and the heads can be cut from late July until the first of October. Prepared for the table the same as Cauliflower; a very delicious vegetable although little grown. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.35, lb. \$4.50.

### Di-Rapa (Senaps)

Much relished turnip-like leaves which are used for greens and its small flower heads. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 70 cts., lb. \$2.25.



### Brussels Sprouts

Popular for the little buds like Cabbage heads, that develop thickly along the stalk. These are cooked the same as Cabbage or Cauliflower, and have a pleasing, delicate flavor. Brussels Sprouts do best in rich, well-drained soils. Sow in seedbeds in May, transplant 2 feet apart and cultivate like Cabbage. The leaves should be broken down in the Fall to give the little Cabbages room to grow.

One ounce will produce about 3,000 plants.

**Half-Dwarf Paris Market.** The very best and surest strain. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.



Broccoli—Italian Cauliflower.

## Dwarf or Bush Beans

Beans are extremely tender, and it is useless to plant them before the first or middle of May, or before the ground has become light and warm. The best soil for Beans is a light, well-drained loam which was manured for a previous crop. Plant in drills 18 inches to 3 feet apart, according to the richness of the soil—the poorer the soil the nearer together. Sow the Beans 2 to 3 inches apart in the rows and cover about 1 inch. Hoe frequently, but only when dry. For succession, plant until August.

1 lb. equals 1 full pt., 2 lbs. equals 1 full qt.

Two pounds will plant 100 feet of drill, 90 pounds for one acre.

**TO INCREASE YOUR CROP OF BEANS INOCULATE WITH CULTURE. EASY TO USE. SMALL COST. LARGE RETURNS. See page 45.**

### Wax-Podded Beans

**ALL VARIETIES, 15 cts. PER PKT.**

**Round-Pod Kidney Wax.** Wonderfully early and productive; long, round, stringless, waxy white pods; crisp, brittle; free from rust. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.65, 15 lbs. \$3.00.

**Early Golden Wax.** The standard Wax. Vines medium size, erect, hardy and productive; pods long, broad, flat, golden yellow, fleshy. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Improved Golden Wax.** Early and hardy; long, rich, golden yellow, stringless pods; less liable to rust than preceding. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Wardwell's Kidney Wax.** Medium early; pods long, broad, flat, white; productive. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Sure Crop Stringless Dwarf Wax Beans.** A valuable, variety of dwarf wax Beans, very productive and will stand a longer season of damp weather than other wax Beans. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Pencil-Pod Black Wax.** The finest. Pods yellow, round, stringless; excellent. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

### Green-Podded Beans

**ALL VARIETIES, 15 cts. PER PKT.**

**Burpee's Stringless Green-Pod Bush Bean.** Dwarf green-podded Beans; stringless and remain tender and crisp long after maturity. Two weeks earlier than Early Round-Pod Valentine; pods light green, long, round, fleshy. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.



Bountiful Beans.



Improved Golden Wax.

**Bountiful.** One of the best early, flat-podded sorts, stringless, very tender and prolific bearer; a fine sort for late sowings. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Tendergreen New Stringless Green Pod.** Outstanding green-podded Bean of highest quality for home, market and canning. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Giant-Pod Stringless Valentine.** Earlier, larger and more productive than Early Round-Pod Valentine; stringless, round, full and fleshy. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Low's Champion.** Very productive, with large, green, stringless pods. It has but few if any equals. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**French's Dwarf Horticultural Beans.** An improved form of the Dwarf Horticultural, producing long pods beautifully splashed with bright crimson and highly productive. Lb. 45 cts., 2 lbs. 85 cts., 7½ lbs. \$2.00, 15 lbs. \$3.45.

**Dwarf Horticultural.** A dwarf variety of the old Horticultural Cranberry Pole Bean. Used as a shell Bean. Lb. 35 cts., 2 lbs. 60 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

**Antrol**

*The National Ant Control*

**ANTROL.** The scientific Antecontrol. See page 46.



Bush Lima Beans.

### Dwarf or Bush Shell Beans

**Improved Yellow Eye.** One of the best sorts for baking, extremely productive and of superior quality. Lb. 25 cts., 2 lbs. 40 cts., 7½ lbs. \$1.35, 15 lbs. \$2.25.

**White Kidney.** Excellent when shelled either green or dry; a superior kind for baking. Lb. 25 cts., 2 lbs. 40 cts., 7½ lbs. \$1.35, 15 lbs. \$2.25.

**White Marrow.** Extensively grown for sale as a dry Bean for Winter use; also good shelled green. Lb. 25 cts., 2 lbs. 40 cts., 7½ lbs. \$1.35, 15 lbs. \$2.25.

**Red Kidney.** Unequalled as a shell or baking Bean, very prolific. Lb. 25 cts., 2 lbs. 40 cts., 7½ lbs. \$1.35, 15 lbs. \$2.25.

**Fava-Mammoth Long Podded Broad.** Variety most desired by Italian gardeners, large podded, broad prolific Beans. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.25.

### Bush Lima Beans

#### ALL VARIETIES, 15 cts. PER PKT.

**Fordhook Bush.** This excellent variety is perfectly suited to the garden of a limited area. Dwarf, strong, quick growth and high productiveness. Each pod well filled with 4 or 5 large beans of excellent flavor. 1 lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Dreer's Wonder.** An improvement on the Burpee's Bush Lima, and a decided acquisition. The plants grow dwarf, upright and compact, without the least sign of a runner, and are completely covered with large pods, many of which contain four beans, which are fully as large as the large Pole Limas. It is much earlier than the original type. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Burpee's Improved.** Produces magnificent crops of pods measuring from 5 to 6 in. long by 1¼ in. wide. Pods and beans are much larger than Burpee's Bush Lima, while the beans, either green or dry, are nearly twice as thick. The beans are of delicious flavor and are ready to use 8 to 10 days before Burpee's Bush Lima, or Large Pole Lima Bean. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

### Pole or Running Beans

#### ALL VARIETIES, 15 cts. PER PKT.

Plant two weeks later than dwarf varieties. Limas are more tender and will do better if not planted until the first of June. Set poles 6 to 8 feet long in rows 4 feet apart each way. Sow 6 to 8 seeds around each pole, cover about 1 inch, except Limas, which should be stuck *eyes down* and covered only ¼ inch. Manure liberally and leave hill raised, to prevent water from rotting the seed.

**Two pounds will plant about 100 hills.**

**Early Leviathan Lima.** One week earlier than any other and two weeks earlier than most varieties of Pole Limas. Wonderfully productive. Long, straight, immense pods in large clusters, containing 3 to 5 beans. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**King of the Garden Lima.** Vigorous grower; profuse bearer; pods 5 to 8 in. in length. Beans large and good. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Mammoth Horticultural Cranberry.** Beans large; pods red; most productive. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Early Dutch Case-Knife.** One of the earliest and most prolific sorts. Pods long and flat, with white seed. Good green or dry. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Kentucky Wonder, or Old Homestead.** Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Early and productive. Used only as a string Bean. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Kentucky Wonder Wax.** This new Pole Bean is quite similar to the very popular green-podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

**Italian-Pole.** Large pods heavily streaked and splashed with crimson; heavy cropper. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.50, 15 lbs. \$4.50.

**Scarlet Runner.** Cultivated principally for its flowers, which are of a bright scarlet, also used by some for a shell Bean. Lb. 35 cts., 2 lbs. 65 cts.

#### Bean Poles, Made of Selected Cedar, 8 to 10 feet.



Kentucky Wonder Wax Beans.

## Beets

Well-enriched, light soil is best adapted for Beet culture. Sow in drills 1 foot apart and cover  $\frac{1}{2}$  inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. The thinnings can be used for greens, if desired. For early, sow as soon as the ground can be worked, and continue for succession until the first of July. Mangels and Sugar Beets require liberal manuring and should stand 10 to 12 inches apart in the rows.

**One ounce will sow 50 feet of drill, 5 to 6 pounds to one acre.**

**ALL VARIETIES, 5 cts. PER PKT.**

Treat all seeds before planting with **Semesan** for increased yields. (*Special forms*). See p. 47.

**Extra Early Egyptian.** Flat, with small, short top and single tap-root; flesh dark red, tender and sweet; best for forcing. Oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. 90 cts.

**Detroit Dark Red Turnip.** Roots roundish, smooth; dark red; flesh bright red, zoned with lighter; crisp, tender, sweet; a good keeper. Oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.00.

**Early Wonder.** An improved Crosby's Egyptian produced by several years' selection from this well-known sort. It is of uniform size, globular in shape, smooth skin, with medium-sized top and small tap-root. The color is a deep blood-red, quality sweet and tender. It has proved to the market-gardener to be the earliest and most uniform bunching Beet in existence, which makes it one of the most profitable varieties. Oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.00.

**Crosby's Egyptian.** An extra-early superior strain of blood-red Egyptian, carefully selected. Oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.00.

**Early Eclipse.** Round and smooth; rich carmine; very sweet and tender; almost as early as Egyptian and superior in open ground. Oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Dewing's Early Blood Turnip.** Deep red; smooth and of fine form. A leading variety; keeps well. Oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Edmand's Blood Turnip.** Deep red, sweet and tender; round, smooth, and of good size. Oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Long, Smooth Blood.** A good late variety for Fall and Winter use; tender and sweet. Oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.



Early Wonder Beet.

## Swiss Chard

**Large-ribbed White Curled.** Belongs to Beet family, and has a large, white-ribbed, curly, light green leaf, resembling that of the Beet, with a small root. Best for greens. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. 90 cts.

**Swiss Chard, Giant Lucullus.** Stalks 10 to 12 in. long below the leaf, and as thick and broad as Rhubarb. Leaf heavily crumpled, crisp and tender. The stalk and midrib, served like Asparagus, with the leaves cooked and served the same as Spinach, afford two distinct dishes at the same time. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. 90 cts.



Mangel-Wurzel Beet—Golden Tankard.

## Mangel-Wurzels and Sugar Beets

**Norbiton Giant Long Red.** Roots of mammoth size. One of the most profitable for feeding stock. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 65 cts.

**Golden Tankard.** Roots large, ovoid, but well filled. Yellow and white. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 65 cts.

**Orange Globe.** Roots of large size and globular form. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 65 cts.

**Vilmorin's White Sugar.** One of the very best and most nutritious for feeding cattle; also used for making sugar. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 65 cts.

In quantities of 5 lbs. and over, at our store, or by freight or express, at expense of purchaser, 5 cents per lb. may be deducted from prices per single pound.

# Cabbage

Always be sure that your Cabbage seed is grown from well-formed, selected heads. The ground should be a heavy, moist, rich loam, highly manured, deeply dug or plowed and thoroughly worked. For early plants sow in mid-September, and protect in coldframes through the Winter. The more common way is to sow in hotbeds in February or March, and prick out into coldframes, to be transplanted, when danger of frost is past. Early varieties should set 18 inches by 2 feet, Fall and Winter sorts 28 inches apart each way. The late Autumn and Win-



ter varieties may be sown in a seed bed, from the middle to close of Spring, and transplanted when about 6 inches high. Shade and water in dry weather. See that the plants stand thinly in the seed bed; if they come up thick, prick them out into beds 4 to 6 inches apart. They can then be moved with earth attached, on a moist day, without damage. Transplant just at evening, giving each plant water at the root Hoe every week more deeply as they advance, drawing up a little more earth each time, until they begin to head, when they should be fairly dug between and hilled up

**One ounce of seed will produce about 3,000 plants.**

**Golden Acre Cabbage** (Original Strain). Considered the earliest round-headed Cabbage, averaging 4 pounds, with few outer leaves, permitting close planting. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00.

**Chinese Cabbage** (Pe-Tsai). This is a vegetable from the Far East. It is similar to Cos Lettuce in appearance and tenderness, and has the crispness of Celery while tasting like a Cabbage, without its offensive odor. Sow the seed after July 1. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. \$1.00.

**Copenhagen Market.** As early as the Charleston Wakefield. Perfectly ball-shaped, uniform in size, and as large, or larger than the Danish Ballhead. Very solid and of fine quality. The plant is short-stemmed; leaves tightly folded. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Early Jersey Wakefield.** The standard, very early variety of medium size; pyramidal in shape, having a rounded peak. Its small, outside foliage permits of close planting; a good variety to winter in cold frames. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**The Charleston, or Early Large Jersey Wakefield.** Of the same form and type as the Early Jersey Wakefield, but fully a half larger, while it is less than a week later. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**All Seasons.** One of the very best sorts for general cultivation, either for early Fall or for Winter use. Heads very large, usually somewhat flattened and solid. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.



Perfection Drumhead Savoy Cabbage.

**Excelsior Large Flat Dutch.** The king of late Cabbages. Improved by selection from the late Flat Dutch; unquestionably the best strain. Its remarkable uniformity, size, short stump, few outside leaves and solid weight make it the most profitable late sort. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Danish Ballhead.** Plants rather long-stemmed, but compact; leaves very smooth but thick; head of medium size, round and very solid, being the hardest-heading Cabbage we know, and of the very best quality. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Danish Roundhead.** A short-stemmed type of the Danish Ballhead, maturing earlier than that variety. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Penn State Ball Head.** Plants short-stem with solid heads extremely hard heavy yielder per acre and a good keeper. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Perfection Drumhead Savoy.** Large heads of finely curled leaves, particularly adapted for private use. Grown in the Fall and allowed to be touched by frost, it is one of the most delicious of all vegetables. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Red Drumhead.** Excellent for pickling or eating raw. For solidity, deep red color, certainty of heading and dwarf habit of growth, this has no equal. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

**Slug Shot will kill Cabbage worms.**  
See page 48.

## Cardoon

Sow seeds in open ground in early spring where the crop is to mature. Have rows 3 to 4 ft. apart. Plants 1 to 2 ft. apart in the rows. Full grown leaves are tied together wrapped in straw and banked up with earth. Cooked and served in the same way as Asparagus. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$3.00.



Early Jersey Wakefield Cabbage.

## Carrots

Carrot seed should be sown in April for early and until the first of June for later crops. Make the surface smooth, and plant in drills, 14 inches apart; cover not more than  $\frac{1}{2}$  inch, and thin to 4 inches apart in the rows. Like all root crops, a rich, sandy loam, deeply cultivated, which has been well manured for a previous crop, is most suitable for Carrots. Strong fresh manure should never be used.

**An ounce of seed will sow 100 feet of drill, 3 or 4 pounds for 1 acre.**

**Earliest Scarlet Forcing.** Valuable for forcing; very early, small, of fine flavor, Turnip-shaped. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Early Scarlet Horn.** A medium-sized root, half long, of fine color; grown for early use and to sell in bunches. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Chantenay.** For table use it is probably the best in shape and finest in quality; a little longer than the Scarlet Horn and broader at the top. The flesh is a beautiful, rich orange color. Very uniform in size. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

**Danvers Half-Long Orange.** Cylindrical shape, stump-rooted, orange-red, and is said to produce a heavier crop than any other variety. It is smooth, close-grained, and almost coreless. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

**Improved Long Orange.** The standard variety for garden or field crops, darker in color and smoother than the old Long Orange. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Guerande, or Ox-Heart.** Not so long as the Danvers, but very thick, sometimes measuring 3 or 4 in. in diameter at the top. A great yielder; flesh bright orange, fine-grained and sweet. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

**On account of values which we cannot anticipate All Prices in this Catalogue are subject to CHANGE WITHOUT NOTICE**

## Cauliflower

There is no vegetable grown more delicious than the Cauliflower. With a deep, rich soil, plenty of moisture and thorough cultivation, it is as easily grown as Cabbage. For early, the seed may be sown in September and the plants wintered in well-protected coldframes, or sown in hotbeds early in March, and when sufficiently large transplanted in coldframes and gradually hardened by exposure. When the weather will permit, set in the open ground in rows 3 feet apart and 2 feet between the plants in the row. For Fall crops sow at the same time, and treat in the same manner as late Cabbage. Cauliflower will not head in hot, dry weather, therefore the time of planting should be regulated so they will head either in early Summer or Autumn. Keep well watered when they begin to head. If the leaves are drawn up and tied loosely over the head it will hasten blanching. Cut before the flower begins to open.

**One ounce will produce about 2,000 plants.**

**Early Snowball.** Super-strain. An extremely early, dwarf variety, producing magnificent white heads of the finest quality. The standard variety for general use. Pkt. 15 cts.,  $\frac{1}{4}$  oz. 75 cts., oz. \$2.25.

**Extra Early Dwarf Erfurt.** Almost, if not quite, as early as the Snowball. Very dwarf, with large, solid, pure white heads of finest quality. Pkt. 15 cts.,  $\frac{1}{4}$  oz. 75 cts., oz. \$2.25.

**Half-Early Paris.** Heads large, white and compact; good for either early or late use. Pkt. 10 cts.,  $\frac{1}{4}$  oz. 50 cts., oz. \$1.50.

**Large Algiers.** An extra fine, late variety, suitable for market and sure to head. Pkt. 10 cts.,  $\frac{1}{4}$  oz. 30 cts., oz. \$1.00.

## Cress

**One ounce will sow 16 square feet.**

**Fine Curled Pepper Grass.** The sort most generally used. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Water Cress.** Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.75.

**SNAROL.** Unusual material for killing cutworms. See page 48.

**Snarol**

*The National Pest Control*



Early Snowball Cauliflower.

# Celery

Celery, more than any other vegetable, demands intelligent and careful culture. The seed is very small and is slow to germinate; with the inexperienced a good stand of plants is an exception. For early, sow in shallow boxes in gentle heat in February and March, and for later, sow about the middle of April in a finely prepared seed bed, in rows so that the plants can be kept free from weeds. Cover not more than  $\frac{1}{4}$  inch, and press down firmly with the back of the spade or a board. Be sure and keep the bed constantly moist (a partially shaded location is favorable on this account), or cover the bed with a light matting or burlap, directly on the soil until the plants begin to prick through the ground, when it should be immediately removed. When large enough to handle, thin and transplant to 4 inches apart. Clip off the tops when about 4 inches high to make them stocky. Plant out from the middle of June until the middle of July in rows 4 to 5 feet apart, and 8 inches apart in the rows. Care should be taken in setting, not to cover the crowns and to press the earth firmly about the roots. Keep it well cultivated until a month before it is wanted, when it should be hilled or banked for blanching; this should be done gradually, usually in two or three operations a week or so apart, the last time almost to the tips of the leaves. Select a rich, deep, sandy loam, rather moist.

One ounce will produce about 4,000 plants.

**Paris Golden Self-Blanching.** Its fine form, rapid growth, extreme earliness, superior flavor and keeping qualities, rich golden color, and slight trouble in blanching, are all that could be desired in a Celery. Our seed is true to name from originator's stocks. Pkt. 10 cts., oz. 85 cts.,  $\frac{1}{4}$  lb. \$2.75, lb. \$9.00.

**White Plume.** The stalks and portions of inner leaves and heart are naturally white; needs very little earthing up; crisp, solid and of a pleasing nutty flavor; the best for early. Pkt. 10 cts., oz. 45 cts.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**Giant Pascal.** A valuable variety for both second-early and mid-Winter use. It grows about 2 ft. high, the stalks are very broad, thick and crisp and entirely stringless; easily blanched. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

**Golden Plume Celery.** A splendid variety of early Celery, an improved self-blanching sort, making stocky growth; stalks rich golden yellow and are remarkably crisp, and tender, nut-like flavor; handsome in appearance. Seed offered from originator's strain. Pkt. 10 cts., oz. 75 cts.,  $\frac{1}{4}$  lb. \$2.50, lb. \$9.00.

**Boston Market.** Remarkable for its tender, crisp and succulent stems, and its peculiar, mild flavor; of branching habit and a good keeper. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

**Newark Market Celery.** The plants are strong and stocky, with green foliage entirely free from rust, with a slight tinge of yellow in the inner leaves, which are crisp, solid, and tender, and excellent, nut-like flavor. Blanches very easily when boarded up. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50.

**Winter Queen.** Exceptionally vigorous and compact growth. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$3.00.

**SEME SAN**  
**DU PONT**  
Makes Seeds Healthy



## Celeriac, or Turnip-rooted Celery

**Giant Prague.** The roots are of good size, round and smooth, with small tops. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., lb. \$2.75.

## Chicory, Witloof, or French Endive

Sow in May or June in drills. Thin out or transplant to 6 inches. In the Fall trim roots, transplant into sand in cellar or cold frame, cover with straw. Crisp shoots form which make a delicious salad. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 60 cts., lb. \$2.00.

## Chicory, Italian Dandelion Asparagus

Planted early in Spring this Italian variety produces tender flower stalks which are cooked like Asparagus. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

## Collards

**Georgia.** Largely used in the South, and prepared in a manner similar to Spinach. Collards are used as a substitute for Cabbage in those sections where Cabbage cannot be raised. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. 85 cts.

## Corn Salad

Grown for salads. For Summer, plant in early Spring; for Winter and early Spring, sow in August and September, and protect with straw in Winter; sow thickly in rows 1 foot apart, cover  $\frac{1}{8}$  inch.

One ounce will sow 100 feet of drill.

**Large Round-Leaved.** Standard sort. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.25.

# Sweet Corn

Plant from May 1 until July 1 in any good soil in hills, the dwarf varieties 3 feet, and the larger varieties 4 feet apart each way. Drop six kernels to the hill, cover about 1 inch and thin to four plants at the second hoeing. Keep free from weeds, and give frequent cultivation. Soaking the seed an hour before planting will hasten its sprouting. **1½ pounds will plant 200 hills, 12 pounds for an acre. ¾ lb. equals 1 pt., 1½ lbs. equals 1 qt.**

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## STANDARD VARIETIES

**ALL VARIETIES, 15 CTS. PER PKT.**  
Except Where Noted

### EARLY VARIETIES

**Columbia.** Extra Early. A very desirable, extra early, prolific variety, short stalk averaging two ears of excellent flavor.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Golden Bantam.** A yellow Sweet Corn; of distinct flavor; stalks dwarf, setting ears 5 to 7 in. long, covered to the tip with 8 rows of golden kernels.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Golden Sunshine.** Dwarf in habit, with ears 7 in. long, 12 rows of broad, yellow, sweet kernels; desirable and early.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Whipple's Early Yellow.** A ten and twelve-rowed variety maturing a few days after Golden Bantam; largely grown by market gardeners, and considered very valuable where known.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Howling Mob.** The ears of Howling Mob measure 7 to 9 in. in length with 12 to 14 rows of large, pearly-white grains. Howling Mob usually produces two large ears to a stalk. It is the earliest white Sweet Corn of really high quality.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Early Golden Giant.** It combines all the excellent and imitable qualities of the Golden Bantam, with a great increase in the number of rows. It is 12-16 rowed and frequently produces ears 10 in. long.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

### SECOND-EARLY VARIETIES

**Black Mexican.** White when cooked, but black when ripe; very tender; highly desirable for family use.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Squantum Sugar.** Medium late; very prolific; sweet and tender; 12 rows; ears of moderate size.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

### LATER VARIETIES

**Country Gentleman (Improved Ne Plus Ultra).** Ready a little before Evergreen; ears medium, with very deep, irregular kernels; small cob. Often 3 to 4 ears on a single stalk.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

**Evergreen.** The standard late sort; 6 to 8 ft. high; large ears, with 12 to 16 rows of very deep, sweet kernels. Remains a long time in a green state.  $\frac{3}{4}$  lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

### HYBRIDS and TOP CROSS-VARIETIES

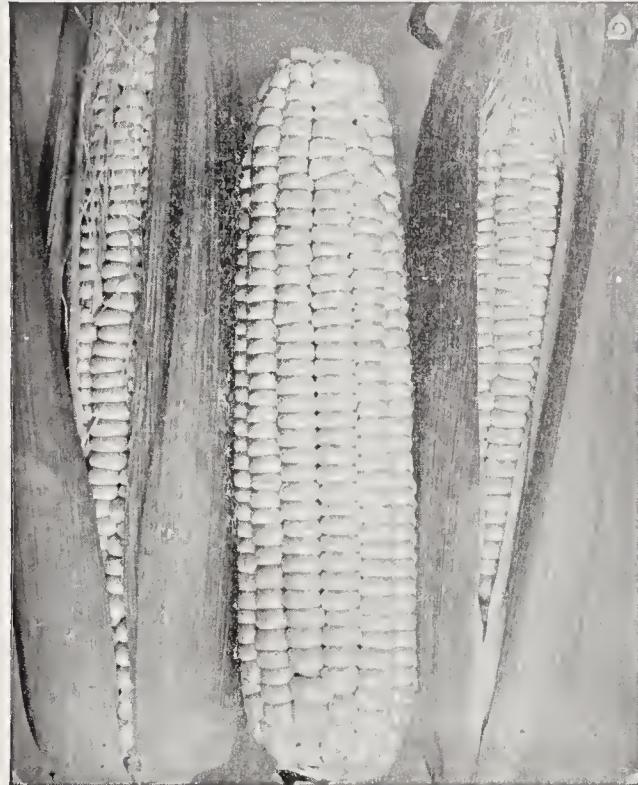
All varieties, except where noted, 20 cts. per pkt.

**Top Cross Spanish Gold.** Early, ready for table in 74 days. Ears 7" long, 10 to 12 rowed.  $\frac{3}{4}$  lb., 40 cts., 1½ lbs. 75 cts., 6 lb. \$2.25, 12 lbs. \$4.00, 48 lbs. \$14.50.

**Whipeross 7.** Practically the entire heavy yielding crop can be picked at the same time ready for table in 84 days.  $\frac{3}{4}$  lb. 40 cts., 1½ lbs. 75 cts., 6 lbs. \$2.25, 12 lbs. \$4.00, 48 lbs. \$14.50.



**SAVE REPLANTING.** Use Crow Repellent. See page 47.



Evergreen Sweet Corn—Unsurpassed sweet large ears late.

**Golden Cross Bantam.** Excellent hybrid cross from inbred strains, uniform ears and in maturity 10 to 14 rowed.  $\frac{3}{4}$  lb. 40 cts., 1½ lbs. 75 cts., 6 lbs. \$2.25, 12 lbs. \$4.00, 48 lbs. \$14.50.

**Asgrow Golden Colonel.** A late variety maturing in 92 days. Ears 7½" long, irregular kernels of excellent flavor. Pkt. 25 cts.,  $\frac{3}{4}$  lb. 60 cts., 1½ lbs. \$1.00, 6 lbs. \$3.50, 12 lbs. \$6.50, 48 lbs. \$24.00.

### Pop Corn

**White Rice.** Recommended as the best general purpose variety on account of its keeping better than others. Lb. 30 cts., 2 lbs. 50 cts., 5 lbs. \$1.00.

### Field Corn

#### FLINT AND DENT VARIETIES FOR FIELD CULTURE

**Early Canada, Eight-Rowed.** An improved strain grown locally, maturing in 90 days. In the preparation of this corn for seed, each ear is carefully selected and is far superior to the ordinary strains. Very heavy cropper and averages two ears to stalk, which grows large and leafy; makes good fodder. Market price.

**Sweepstakes.** The stalks grow rapidly and to a good size, producing excellent fodder and an abundant crop of ears. Market price.

### Semesan, Jr.

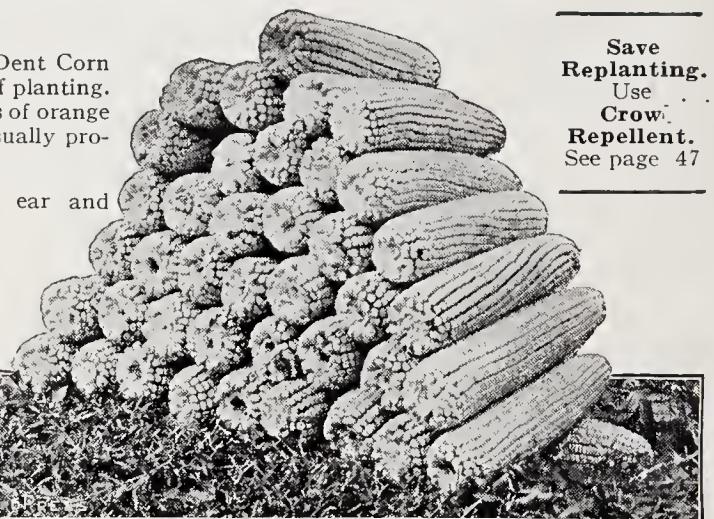
A Dust disinfectant for preventing and controlling the ear rot and stalk rots of sweet and field Corn  
See page 47.

### Field Corn—Continued

**Leaming's Improved Dent.** The earliest Dent Corn in cultivation, ripening 100 days from the time of planting. Ears large and handsome, with deep, large grains of orange color and small red cob. Stalk medium size, usually producing two ears to each stalk. Market price.

**Leaming Dent, Western Grown.** Both ear and stalk of somewhat larger growth and require a few more days to mature than our earliest variety. Particularly valuable for ensilage, for which it is more generally used in this vicinity than any other sort on account of large stalk and heavy yield. Market price.

**Eureka Ensilage.** A popular, tall, leafy variety of Southern White Dent Corn, used exclusively for ensilage; does not often mature in this latitude as our season is too short. Market price.



Improved Leaming Field Corn.

Save  
Replanting.  
Use  
Crowd  
Repellent.  
See page 47

## Cucumbers

For early Cucumbers, start in the hotbed about the middle of April upon pieces of heavy sod, grass side down. When the weather will permit, remove to carefully prepared hills in the open ground and protect with boxes when the air is cold. For the main crop, as soon as the weather has become settled and warm, prepare hills 4 feet apart, using a shovelful of warm, well-rotted manure to each hill; cover this 2 inches with fine earth, and plant 15 to 20 seeds  $\frac{1}{4}$  inch deep. Press down with the back of the hoe. When the plants begin to crowd and the danger from bugs is past, thin to four vines to the hill. Pick all Cucumbers when large enough; if left to ripen on the vines they will cease to be productive. For a succession, plant at intervals. For pickles, plant from the middle of June until the middle of July.

**One ounce will plant 50 hills, 2 pounds for an acre.**

**Early Russian.** The earliest variety in cultivation; 3 to 4 in. long; quite thick; flesh crisp and of fine flavor. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Bennett Improved Early White Spine.** One of the finest strains of White Spine; most generally used for forcing and outdoor culture. Fair-sized, dark green; holds its color; very early, crisp, excellent. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Extra Long White Spine, or Evergreen.** A fine strain, smooth, frequently 10 in. long; round, handsome, very regular. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Davis' Perfect.** Slim and symmetrical, averaging 10 to 12 in., dark, glossy green, tender and brittle, of exceptionally good flavor. It is as early as the earliest White Spine and a large cropper. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Early Cluster.** Early, producing in clusters; fruit short, dark green; good. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Japanese Climbing.** Fruit about 10 in. long. Skin dark green; flesh pure white, can be grown on trellises and fences. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Fordhook Famous.** Handsome, long green Cucumber; White Spine type; 12 to 14 in.; straight, smooth and regular. Finest flavor. A healthy, vigorous grower, setting fruits in abundance throughout the season. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

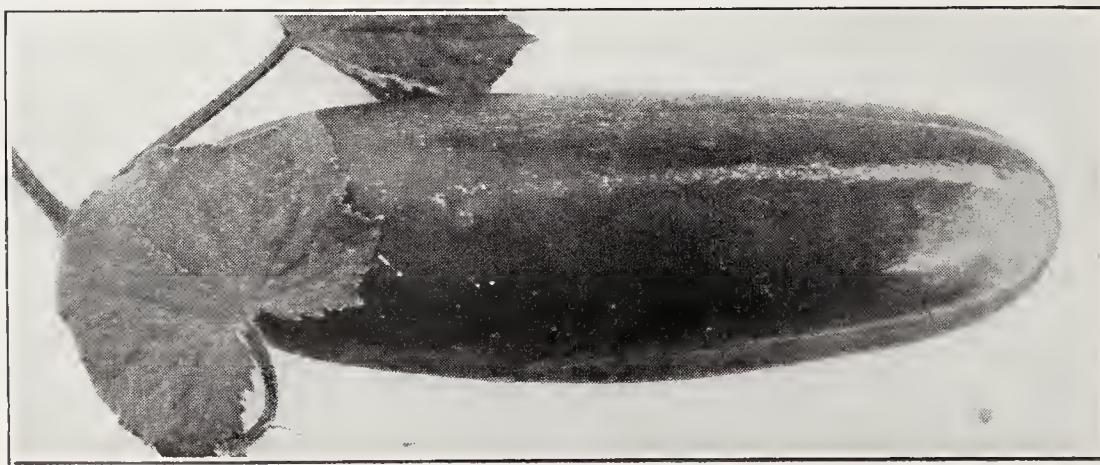
**Long Green.** About 12 in. long, firm, crisp; fine for pickles; one of the most productive. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

**Everbearing.** Small; very early; vines continue to produce until killed by frost. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Windsor Pickling.** Improvement on Boston Pickling; wonderfully prolific; small, dark green, cylindrical; slightly pointed; crisp and tender. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**West India Gherkin.** Small, oval-shaped, recommended only for pickling. Pkt. 5 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 60 cts., lb. \$2.00.

**English Frame, or Telegraph.** Exclusively used for hothouse culture. Pkt. 25 cts.



Davis Perfect Cucumber.

## Dandelion

When a good stand is secured, Dandelions are easy to grow, and make excellent greens. Sow from Spring to September in drills, on low ridges a foot apart. Cover lightly, press soil down firmly. Thin to 3 inches apart in row.

**One ounce will produce about 2,000 plants.**

**French Garden.** Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

**Improved Thick-leaved or Cabbaging.** French grown. Pkt. 10 cts., oz. 60c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.50.

## Egg Plant

To get a good start, sow seed in March, in a strong, uniform heat. When 3 inches high, transplant to 4 inches apart. When cold weather has abated, harden gradually by exposure and transplant  $2\frac{1}{2}$  feet apart in warm, rich soil. Provide shade, and keep plants protected against Potato bug. Draw earth up around stem when a foot high.

**One ounce will produce about 1,000 plants.**

**New York Improved Purple.** The best sort for general culture. Large, round, or oval-shaped, dark purple, free from thorns. The most productive variety. Pkt. 10 cts., oz. 60 cts.,  $\frac{1}{4}$  lb. \$1.75, lb. \$5.50.

**Black Beauty.** Fruit thick; of attractive form, with a satin gloss, purplish-black skin, 10 days earlier than the preceding. Pkt. 10 cts., oz. 60 cts.,  $\frac{1}{4}$  lb. \$1.75, lb. \$5.50.

## Endive

Splendid for salads. Sow thinly in shallow drills 10 inches apart, in April for early and in June or July for late use. Thin to eight inches apart in rows; cultivate thoroughly. To blanch, draw up outer leaves and tie at top; will be ready for use in two or three weeks. Do not tie faster than wanted, as it soon begins to decay.

**One ounce will sow 60 square feet.**

**Green Curled.** The variety most cultivated. Leaves beautifully curled, dark green, tender and crisp. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.35.

**White Curled.** Not so hardy as the Green Curled; grows to a large size, and is always crisp and tender; almost self-blanching. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.35.

**Broad - leaved Batavian (Escarole).** Has broad, thick, plain or slightly wrinkled leaves. If the outer leaves are gathered and tied at the top, the whole plant will blanch, and may be eaten. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.35.

## Finocchio, or Florence Fennel

This is a new and very delicious vegetable from Italy. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.



Large Green Curled Endive.

## Kale

For best crops, select rich soil, dig a spade's depth and apply manure liberally. For Summer use, sow in April; for Winter and Spring, sow in August and September. Plant thinly and cover lightly in drills 1 foot apart. Thin to 4 inches in the row. Protect lightly during Winter.

**One ounce will produce about 2,000 plants.**

**Dwarf Green Curled.** One of the best for Spring sowing; dwarf and spreading; rarely exceeding 18 in. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00.

**Siberian Curled.** Favorite for Fall; about 2 ft. high; leaves are not so deeply curled as the preceding, and bluish green; very hardy; will withstand 10 degrees below zero. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. 90 cts.

## Kohlrabi

For a succession sow at intervals, from early Spring until July, in drills 1 foot apart, cover lightly and thin to 6 inches apart in the rows. The bulb that forms upon the stem just above the ground is fit to use when about half grown. A valuable crop for table vegetable or for stock food.

**One ounce will sow 200 feet of drill.**

**Early White Vienna.** A standard sort for market, table use, or forcing; flesh white and tender; very short top. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.25.

**Early Purple Vienna.** Bluish-purple, similar to the above, except in color. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.25.

## Leek

Sow early in May, in drills, 12 inches apart, cover  $\frac{1}{2}$  inch deep; cultivate as for Onions. In July, prepare deep, rich soil in beds; transplant in rows 1 foot apart and 6 inches between plants. Set plants deep, draw earth up when hoeing to blanch properly. Select location where plenty of moisture can be had.

**One ounce will sow 100 feet of drill.**

**Large Musselburgh.** A favorite market sort of large size. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

**Monstrous Carentan.** Enormous size; broad leaves, spreading like a fan. Hardy, fine quality. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

## Mustard

The green leaves are used as a salad or boiled for greens. Culture same as for Cress.

**White English.** The sort mostly used to grow for salads. Oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.



Large Musselburgh Leek.



Big Boston Lettuce.

**Chicken.** Large-leaved tall growing variety producing an abundance of leaf growth which is stripped off for poultry green feed. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**White Boston.** Similar to white seeded Big Boston. Leaves are free from brown tint; heart buttery yellow. Desirable for nearby Markets. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

**Black-Seeded Simpson.** Much larger than Curled Simpson; large, loose heads of thin and exceedingly tender, light green leaves. Stands heat well; very early. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Big Boston.** Resembles Boston Market, but nearly twice as large; desirable for forcing and outdoor planting. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**May King.** The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

#### Early Curled Simpson.



Trianon Cos-Lettuce.

Compact, curly leaves; yellowish-green. It matures quicker than varieties forming firm heads, and is very early. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.

**Grand Rapids.** There is no better forcing type in the loose leaf varieties. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.40.

**Bigger Big Boston (Black-Seeded).** While retaining all of the good qualities of the Big Boston, grows very much larger in size, fully one-half again as large. This variety is a popular and profitable sort. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.60.

## Lettuce

For early plants, the seed may be sown in September and transplanted into cold-frames for protection during the Winter, or sow in February or March in hotbeds with a moderate bottom heat, cover lightly, and thin sufficiently to prevent crowding; gradually harden by exposure. Transplant to the open ground in a sheltered location in April; set in rows 1 foot apart, and 6 inches apart in the row; when heads begin to form, thin out by using alternate plants in the rows; for succession, sow in prepared beds as soon as the ground can be worked and at intervals of two weeks during the Summer. To be crisp and tender, its growth should be vigorous and rapid, which requires rich soil, plenty of well-rotted manure and an abundance of moisture.

**One ounce will sow 120 feet of drill.**

**Black-Seeded Tennis Ball.** Popular for outdoor culture; heads well formed, hardy and crisp; excellent early heading. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**Hartford Bronzed Head.** Unequaled, forms large, compact, bronzy-red heads, shading to dark green toward root. Heart is rich cream-yellow; leaves thick and crimped. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 60 cts., lb. \$1.75.



May King Lettuce.

**Hanson Head.** Most reliable for outdoor cultivation. In good ground the heads grow large. Outer leaves bright green, inner leaves white, tender and crisp; free from bitter taste. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.35.

**New York Wonderful (Los Angeles Iceberg).** One of the largest varieties. Heads solid, crisp, and tender. This Lettuce must not be confused with Iceberg, which is a different type. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 65 cts., lb. \$1.75.

**Cos, Trianon Self-Closing, or Romaine.** Finest Cos Lettuce; forms long, pointed, compact bunches; fresh, crisp and mild even in hot weather. Grows large, interior well blanched. One of the choicest varieties for serving in full leaf, as every part is tender and delicate. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

# Melons

A warm, rich, sandy loam is best adapted for Melon culture. The middle of May is early enough for planting in the open ground, but the crop can be forwarded by starting in hotbeds on sods and transplanting the same as Cucumbers. Plant in hills 6 feet apart each way for Muskmelons and 8 feet for Watermelons. Mix in the hill one or two shovelfuls of well-rotted manure, press down and cover with earth; plant on this a dozen or more seeds  $\frac{1}{2}$  inch deep. When danger of bugs is over, thin to three plants in a hill. When the main shoots are a few feet long, pinch off the ends, to force the laterals on which the fruit is borne. Spraying with Bordeaux mixture will generally prevent damage by bugs. Another good way is to plant Squashes a few weeks beforehand, and destroy the bugs that gather on the leaves.

## Muskmelons

One ounce will plant 80 hills, 2 pounds for an acre.

### GREEN-FLESHED VARIETIES

**Extra Early Hackensack.** Ten days earlier than the old variety of Hackensack Melon. Round in shape, flattened at the ends. Skin green, thickly netted; the flesh is also green, rich and sugary in flavor; very productive and grows to a good size. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

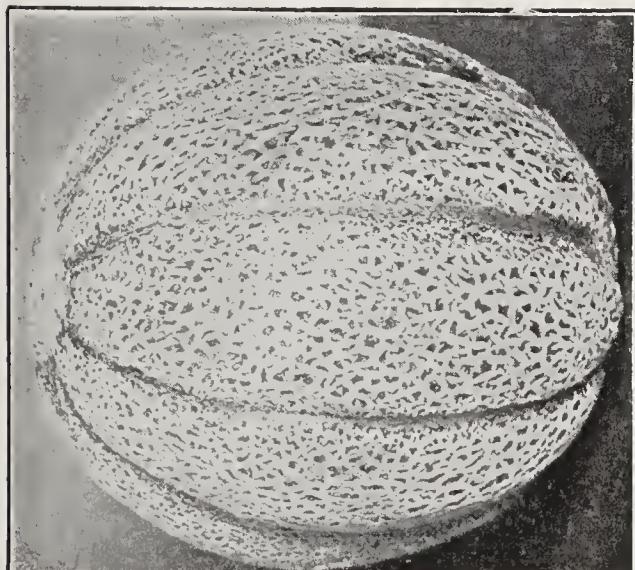
**Rocky Ford, or Golden Netted Gem.** Round and uniform in size, weighing about 2 lbs each; skin green, thin and thickly netted; flesh thick, light green, of luscious flavor. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Honeydew.** A large, light-colored, smooth-skinned Melon, having a rather unusual shape and appearance. The fruits often weigh 8 to 10 lbs. each, and have a thick, light green flesh. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.35.

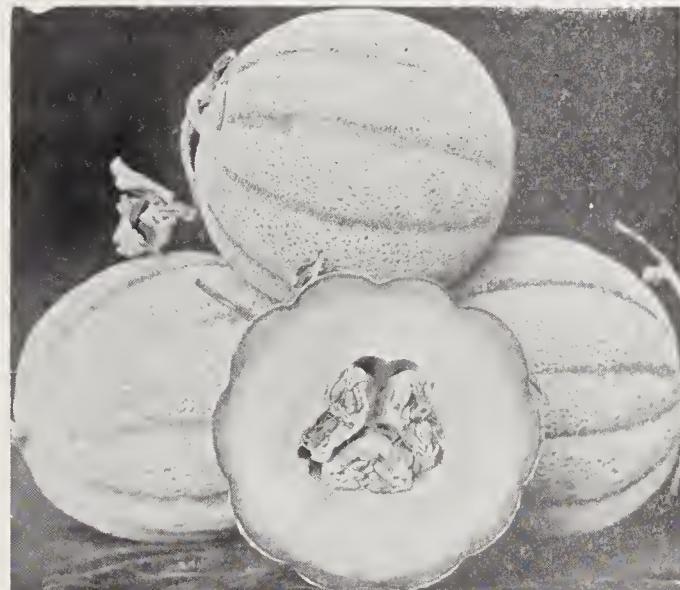
### SALMON or YELLOW-FLESHED VARIETIES

**Delicious.** The earliest large melon, thick salmon flesh. A good melon for the home Market and Roadside Trade. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**Emerald Gem.** An extremely early, medium-sized, prolific variety; skin ribbed and generally smooth, of a deep, emerald-green color. Flesh thick and of a beautiful, rich salmon, ripening thoroughly to the thin rind; unsurpassed in rich, delicious flavor. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.



Rocky Ford Muskmelon.



Bender's Surprise Muskmelon.

**Bender's Surprise.** This new Melon is a large, thick, heavily netted fruit; sweet flavor, no stringiness. An excellent home garden variety maturing early. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**Osage, or Miller's Cream.** Grows to a medium size and is egg- or globe-shaped; the skin is very thin, of dark green color and well netted. The flesh is of a salmon-pink color, remarkably sweet and spicy in flavor; extremely thick and delicious to the rind. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Improved Hearts of Gold.** Disease-resistant, strong, vigorous vines, delightfully flavored fruit, medium size, round, distinctly ribbed, flesh a rich deep orange color, fine grained, spicy flavor. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

## Watermelons

One ounce will plant 15 hills, 4 lbs. for one acre.

**Cole's Early.** Cole's Early is a fine, everyday Melon for the amateur. It is very hardy, a sure cropper, and extremely delicate in texture of flesh, which is a dark red color; the rind is thin and the quality of the flesh is sustained clear to the rind. It is, however, exceedingly brittle, hence not desirable for shipping purposes, but possessing all the other most desirable features. We can highly recommend it for home use. The Melons are of medium size, nearly round in shape, rind green, striped with lighter shades. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Dixie.** In form oblong; skin dark green, with a remarkably thin rind; flesh intense deep bright scarlet; very sweet, tender and juicy, quite early; very productive and grows to a large size. This variety is a fine shipper. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.



Hotkaps permits earlier plantings and give complete protection from winds and cold rains.

## WATERMELONS—Continued

**Kleckley Sweets.** Fruits are of large size; oblong in form, with dark green skin; very thin rind, which is quite brittle. Flesh bright scarlet with broad, solid heart, most crisp, sugary and melting; entirely free from any stringiness. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Phinney's Early.** Very thin rind; flesh scarlet, sweet, luscious; medium in size, oblong in shape, and very early. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Mountain Sweet.** An old favorite, form rather long, color dark green, seeds dark, flesh scarlet, solid, very sweet and delicious. One of the very best for general culture. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Cuban Queen.** Skin beautifully striped dark and light green; the flesh is bright red, remarkably solid, luscious, crisp and sugary; very solid and the best of keepers; excellent to ship to distant markets; enormously productive. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Gray Monarch, or Long White Icing.** This distinct Melon is, without doubt, one of the largest of all. The skin is a mottled gray color; shape long; flesh bright crimson and of sweet, delicious flavor. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Ice Cream.** Medium size, nearly round; color pale green; white seed, thin rind, flesh solid, scarlet, crisp, of delicious flavor and very sweet. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

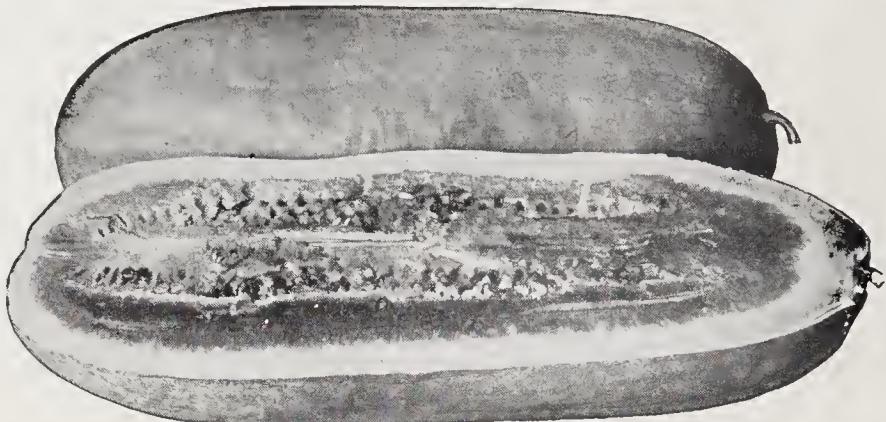
**Green Citron.** For preserving; small, round, flesh white and solid. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

## Mushrooms

Mushrooms are very easy to grow in any dark place where a uniform temperature of 50 to 60 degrees may be had. A dark cellar or shed, for example. Plant from September till January, in a bed composed of one-fourth loam and three-fourths fresh horse droppings, without much litter; mix thoroughly, put into a heap to ferment, and work frequently till it has cooled off somewhat.

Now prepare a bed 4 feet wide, as long as desired, and build up on a firm, dry foundation. Pack the soil and manure solidly till the bed is level and about a foot high.

Thrust a thermometer into the center; when it registers 85 degrees, break the Mushroom Spawn into pieces about as large as hen's eggs, and plant it 2 inches deep and 10 inches apart all over the bed; cover and



Kleckley Sweet Watermelon.

press down thoroughly. After 10 days or two weeks, cover the bed with 2 inches of fine, fresh loam, pressed down firmly, and over this put 5 or 6 inches of straw or litter. If room is dry, spray occasionally with warm water. The Mushrooms will begin to appear in four to six weeks. They bring a good price, and are worth growing either for home or market.

**Five pounds of Spawn for a bed 12 feet long and 4 feet wide.**

**American, Pure Culture.** In bricks of about 1 lb. Brick 35 cts., 10 bricks \$3.00.

**Add to the price of Mushroom Spawn 10 cts. for the first brick, and 1 ct. additional for each succeeding brick, when ordered sent by mail.**

## Nasturtium

Cultivated for use and ornament. The seeds when green, resemble capers, and are used for pickling. The flowers are beautiful and in great variety (see flower seed list). Sow after the ground is warm, in drills  $\frac{1}{2}$  inch deep, the dwarf varieties in beds and the tall ones by the side of the fence, trellis or some other support to climb on. They will thrive on any good ground in almost any situation, but are most productive in light soil.

**One ounce will sow 20 feet of drill.**

**Tall Mixed.** A showy, graceful climber. The sort mostly grown for pickles. Height about 10 ft. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00.

**Dwarf Mixed.** A border plant about 1 foot high. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00



American Pure Culture Mushrooms.



Okra.

## Okra

Grown for its green pods, which can be used in soups and stews. Sow the seed thickly in ordinary soil the middle or last of May, 1 inch deep in drills 2 feet apart; thin to 10 inches apart in the row.

**One ounce will sow 40 feet of drill.**

**White Velvet.** The pods are round and smooth; larger than those of any other sort; never prickly to the touch; produced in great abundance. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 65 cts.

## Onions

The Onion is not so particular about the character of the original soil as many suppose. Good crops can be obtained on almost any soil not too wet, nor too dry, except a stiff clay, light sand, or hungry gravel. It is essential, however, that the land should be made rich by the thorough incorporation of manure in clean tillage for at least two years from the sod; heavy or rather clayey or moist (not wet) loam generally produces the largest Onions. If coarse manure is to be used, spread on twenty or thirty loads to the acre about the middle of November and plow in, not very deep. In March or April, as soon as the ground will work, plow 4 inches deep, and spread on a good dressing of fine compost, bone dust, or fertilizer. Harrow and cross harrow until the soil is fine and level. However early, a favorable opportunity to put in the seed should not be allowed to pass. Sow in drills 12 inches apart in the garden and 14 inches apart for field culture, cover  $\frac{1}{2}$  inch. It requires 4 to 6 pounds for an acre, 5 pounds is about right for medium-sized Onions. It is of the utmost importance to use good seed, not only good, strong-growing seed, but seed that has been raised from good-sized, well-ripened, selected Onions. They require three or four weedings in the row, but if care is taken in sowing to keep the rows straight and uniform, the wheel hoe will run so close to them that there will be but few weeds to remove by hand. It is known to gardeners that if Onions once get choked with weeds they never fully recover so as to produce a full crop. A top dressing of wood ashes, leached or unleached applied after the second weeding is very beneficial.

**One ounce will sow 100 feet of drill, 5 pounds for one acre.**

**Wethersfield Large Red.** The standard red variety; large size, skin deep, purplish-red, form round, somewhat flattened, flesh purplish white, very productive, the best keeper and one of the most popular for general cultivation. As a market Onion the Wethersfield is superior to many other varieties; everybody knows it and it is always in demand. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.50.

**Southport Red Globe.** This sort grows large to medium size. Spherical in shape and of a very deep, rich red color. Good market sort because of color and size. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.75.

**Yellow Globe Danvers.** Of large size; an early and abundant cropper; very thick bulb, flat or slightly convex bottom, full oval top, with small neck, and rich, brownish-yellow skin. We ask attention to the seed we offer, which was grown from a fine and perfect selection of this variety. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Prizetaker Onion.

**Mammoth Prizetaker.** Of enormous size, averaging from 10 to 16 in. in circumference, and a good Winter keeper. The outside skin is of a rich yellow color, while the flesh is white, sweet and tender. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. 75 cts., lb. \$2.85.

**Southport Yellow Globe.** Form nearly ovoid, regular and symmetrical; mild and pleasant flavor; some later than the other yellow sorts. Keeps well. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Southport White Globe.** Yields abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained, and of mild flavor. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**White Portugal, or Silver Skin.** Very early; rather flat in shape, mild flavored. Does not keep so well as most other varieties. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.25.

**Extra Early Barletta.** An Italian variety. The very earliest Onion in cultivation; of small size, color pure white, flavor mild and delicate; makes a handsome and profitable bunching sort, especially if started indoors and transplanted. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.25.

## Onion Sets

Plant on good soil in 12-inch shallow drills, 3 inches apart in the drill, and slightly cover; the earlier they can be put in the ground the better. Keep free from weeds and gather a little earth to them in the process of cultivation. They are ready for use as soon as the bulbs begin to be of fair size. Prices variable as to market.

**6 to 12 bushels (according to size) are required to set an acre in drills. Prices subject to change. Onion Sets are sold at the rate of 32 lbs. per bus. or 1 lb. per qt.**

**There is distinct shortage of Onion Sets this year and we advise our Customers to cover their requirements early in the season.**

**Yellow Onion Sets.** Qt. 30 cts., 4 qts. \$1.00, pk. \$1.50.

**White Onion Sets.** Qt. 35 cts., 4 qts. \$1.00, pk. \$1.50.

**Red Onion Sets.** Qt. 30 cts., 4 qts. \$1.00, pk. \$1.50.

**Special prices for large quantities on application.**



Yellow Onion Sets.

# Peas

**Two pounds will plant 100 feet of drill, 84 pounds one acre.**

For first early crop, sow Improved East Hartford Extra Early as soon as the ground can be worked in Spring. Select a rich, light, sandy soil, dry and well sheltered.

For the general crop, a deep, rich loam is best; the soil cannot be too rich for the dwarf varieties. Avoid using coarse, rank manure, as it drives the plants to vines without pods.

For market crop, sow in rows 2 to 4 feet apart, according to the variety. In the kitchen garden, sow the tall varieties in double rows 6 to 8 inches apart, and stick brush firmly between the rows when the vines are about 6 inches high. Sow the dwarf varieties in single rows a foot apart; cover 2 to 4 inches, according to the character of the soil and the time of planting, deepest on light soils and in late planting. Deep planting prevents mildew and prolongs the bearing season, yet in cold, heavy soils the seed is liable to rot if planted deep. If drills are made 5 inches deep and the seed covered only 1 or 2 inches, the earth can be gradually drawn into the trench as the plants grow; in this way a good stand can be had at a good depth. The wrinkled varieties are not so hardy as the hard, smooth sorts, and cannot be planted so early; they are, however, the sweetest and best flavored.

A succession may be had by sowing two weeks after the first early, the early, medium early, medium late, and late varieties at one time, so that they will follow for use one after the other.

**1 lb. equals heaping pt., 2 lbs. equals heaping qt.**

**ALL VARIETIES, 15 cts. PER PKT.**

**To increase your crop of Peas, inoculate with Culture. Easy to use. Small cost. Large returns. See page 45.**

## EXTRA EARLY VARIETIES

**Hawley's Improved East Hartford Extra Early.** The very earliest market Pea in cultivation; of good quality and great productiveness, vines growing to a uniform height of 2½ feet and Peas maturing in two pickings; the very best variety for early market cultivation. Lb. 30 cts., 2 lbs. 50 cts., 7½ lbs. \$1.50, 15 lbs. \$2.25, 60 lbs. \$8.40.

**Gradus.** World's Record Strain. The vines grow 3 feet in height, with heavy stems and large, light green leaves. Hardy, productive, pods 4 to 4½ in. long, filled with tender Peas, rich in flavor, with all the good qualities of the later marrow sorts yet only a few days later than the East Hartford. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$3.00, 56 lbs. \$10.00.

Hawley's Improved East Hartford Peas (Extra Early).



Sutton's Excelsior Peas.

**Thomas Laxton.** Excepting color of foliage and pods, in growth this is identical with the Gradus, two or three days later, but much more productive. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$3.00, 56 lbs. \$10.00.

**Alaska.** A blue Pea of excellent quality. The earliest of all the blue sorts. A desirable early Pea for market gardeners, growing from 2 to 2½ feet and very productive. Lb. 30 cts., 2 lbs. 50 cts., 7½ lbs. \$1.50, 15 lbs. \$2.25, 60 lbs. \$8.40.

## DWARF VARIETIES

**Sutton's Excelsior.** Earliness and habit of growth same as Nott's Excelsior, with the added merit of producing abundantly much larger and handsomer pods than any other dwarf early, wrinkled sort. Peas large, tender and delicious. Height 12 in. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75 14 lbs. \$3.00, 56 lbs. \$10.00.

**Nott's Excelsior.** An extra early dwarf variety of branching habit. Grows to the uniform height of 1 foot. Remarkably hardy and productive pods large, with from 7 to 9 fine Peas to a pod. Very sweet and fine flavor. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$3.00, 56 lbs. \$10.00.

**Laxton's Progress.** One of the best new dwarf wrinkled varieties. Its fine quality and production cannot be excelled, growing 14 in. high with large well filled pods. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$3.00, 56 lbs. \$10.00.

**Laxtonian.** This variety is best described as a dwarf Gradus. The vines grow about 14 in. high, bearing a profusion of dark green pods, with eight or nine large peas in each, of a quality equal to the Gradus, and in season fully as early. Lb. 30 cts., 2 lbs. 55 cts.. 7 lbs. \$1.75, 14 lbs. \$3.00, 56 lbs. \$9.50.

## ALL VARIETIES OF PEAS, 15 cts. PER PKT.

## PEAS—Continued.

**New Dwarf Champion.** A robust, hardy variety, growing only 26 in. high, following the Premium Gem, producing in abundance handsome, large, dark green pods well filled with good-sized Peas, and possessing all the merits of the Champion of England. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$3.00, 56 lbs. \$10.00.

## LATER VARIETIES

**Alderman.** A large podded, wrinkled Pea of robust habit. Pods 5 to 6 inches long, well filled with Peas of excellent flavor. 5 to 6 ft. tall. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$2.50, 56 lbs. \$9.75.

**Bliss' Everbearing.** A splendid Pea, bearing pods 3 or 4 in. long and filled with very large Peas of unsurpassed quality. Height of vine, 18 in. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$2.50, 56 lbs. \$9.75.

**Dwarf Telephone or Carter's Daisy.** Height under high culture, 18 in.; habit dwarf, stocky, healthy, vigorous; plants frequently bearing from 5 to 7 pods. Pods long, frequently 5 in. in length, remarkably well filled, often containing ten delicious Peas. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$2.50, 56 lbs. \$9.75.

**Telephone.** A nice, medium late, wrinkled variety growing 4 ft. high; very productive, having long, slightly curved pods, well filled with Peas of large size and best quality. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$2.50, 56 lbs. \$9.75.

**Champion of England.** This well-known kind has never been surpassed in quality and quantity produced by any of the tall varieties; sweet and delicious. Height 5 ft. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.75, 14 lbs. \$2.50, 56 lbs. \$9.75.

## Pea Brush, 4 to 6 feet.



Telephone Peas.

## Parsley

This seed is very slow to germinate and usually two or three weeks will elapse after sowing before the plants make an appearance. To hasten it, soak a few hours in tepid water, and when it swells sow thickly in shallow drills 1 foot apart and cover lightly; thin out the plants to 3 or 4 inches apart in the row. It can be forwarded by starting in the hotbed in February and transplanting to the open ground later. Protect in coldframes or a light cellar for winter use.

## One ounce will sow 150 feet of drill.

**Champion Moss Curled.** Rather dwarf; of the richest green; beautifully crimped and curled; very ornamental. Pkt. 5 cts., 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Extra Fine Curled.** A fine dwarf variety, well curled; excellent for garnishing. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Plain-Leaved.** Not much curled; used in soups; rather stronger flavor than the other sorts. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Hamburg, or Rooted.** The roots of this type resemble Parsnips, served similar or used in flavoring soup. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

## Parsnips

As it is slow to germinate, plant only new seed and that liberally. Sow in April or early in May, in rows 12 to 15 inches apart; cover not more than  $\frac{1}{2}$  inch and press the earth firmly on the seed. When well up, thin the plants to 4 inches apart in the rows. Parsnips are improved by frost, therefore a part of the crop should be left to stand in the ground over the Winter.

## One ounce will sow about 200 feet of drill, 5 to 6 pounds to 1 acre.

**Ideal Champion Hollow Crown.** Roots long, white, smooth, free from side roots, tender, sweet and of excellent flavor. The tops are small and the crown is surrounded by a slight depression. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Long White Sugar.** A great cropper, tender and sugary; roots smooth and long. An old standard sort used for general cultivation. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.



Hollow Crown Parsnips.

## Pepper

Sow the seed in the hotbed in April, or in a warm, sheltered spot out-of-doors in May. Transplant in June into warm, mellow soil in rows 2 feet apart, and 15 inches between the plants in the row. Earth up a little at one or two hoeings.

One ounce will produce about 2,000 plants.

**Sweet Mountain.** Fruit large, early, sweet and pleasant to the taste; less pungent than most other sorts. It is much esteemed for pickling, for its mildness, as well as for its thick, fleshy, tender rind. The fruits are borne freely. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25.

**Large Bell, or Bull Nose.** Similar in shape to the Sweet Mountain, except that it is smaller, more tapering, and usually terminates in four obtuse points; rind thick, fleshy and tender. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25.

**Ruby King.** This variety grows to an extraordinarily large size. When ripe, a handsome, bright, ruby-red color; remarkably mild and pleasant to the taste. For stuffing, no other variety can equal it. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25.

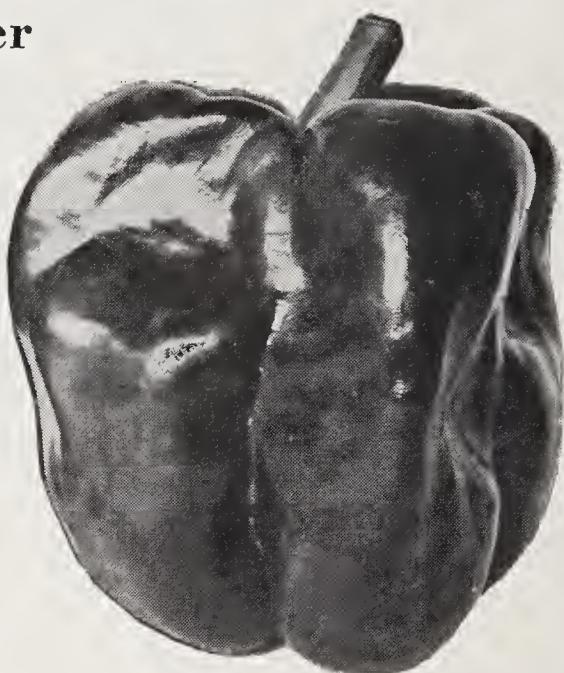
**Squash, or Pickling.** Best for pickling. Tomato-shaped, thick meated and productive. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25.

**Neapolitan, or Sweet Italian.** The earliest of the large Sweet Peppers. Thick meated and very productive. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50.

**Long Red Cayenne.** Fruit brilliant, coral-red; conical, often curved toward the end, from 3 to 4 in. in length; 1 to  $1\frac{1}{2}$  in. in diameter; very productive. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25.

**Cherry Red.** A small, smooth, round variety of dwarf growth; fruit at maturity of a deep, rich, glossy scarlet. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.75.

**Chili.** Pods pendant, sharply conical; about 2 in.



Large Bull Nose Pepper.

in length,  $\frac{1}{2}$  in. in diameter. The variety generally used for Peppersauce. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.75.

**Chinese Giant.** Very large, flesh mild and thick. Pkt. 10 cts., oz. 60 cts.,  $\frac{1}{4}$  lb. \$1.75.

**Harris Early Giant.** Earliest and one of the largest Peppers grown. Flesh thick, of a very sweet flavor. Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25.

## Potatoes

The potato seems to thrive in almost any soil or climate, but a good, sandy loam suits it best. Old sod plowed the previous Fall will produce the most abundant and certain crops. On no other crop are the results from the use of phosphates more manifest than on the Potato. Organic manure promotes rot and other diseases, while commercial fertilizers prevent them and will grow smooth, fine tubers. Plant as early in the Spring as the ground can be thoroughly worked, in rows 3 feet apart and 10 inches apart in the row; plant one or two eyes in a hill (cut from the surface to the center of the tuber), cover 3 to 4 inches. Cultivate frequently from the time the young plants appear above the surface of the ground until they blossom. At each hoeing, throw the earth up to the plant for support and to develop the side shoots. In some sections, flat culture is preferred to ridging, especially when drought prevails, or the soil is light and sandy.

**From 12 to 15 bushels are required to plant an acre.**

**OUR PRICES for Potatoes** will always be found as low as the market will permit, quality considered. On account of fluctuations in values which we cannot anticipate at the time our catalog is issued in January, prices are omitted.

Lowest market prices on application.

### Certified Northern Grown Seed

**Irish Cobbler.** Very early, big yielder, best quality; shape round to oblong.

**Green Mountain.** A leader in market; one of the best yielders, keepers, and sellers ever introduced; of fine quality.

### Semesan Bel

#### An Instantaneous Dip Disinfectant for Seed Potatoes.

4-oz. tin.....	\$0.50	25-lb. pail.....	\$ 31.25
1-lb. tin.....	1.65	100-lb. drum....	120.00
5-lb. tin.....	7.00	300-lb. drum....	345.00



Irish Cobbler Potatoes.

# Pumpkin

Culture same as Winter Squash; if planted with Corn, drop two or three seeds in every third or fourth Corn hill at the time of the first hoeing. If planted in fields by themselves, drop five or six seeds in hills 8 to 10 feet apart each way, cover about  $\frac{1}{2}$  inch, and thin out to three plants in each hill after the vines are well started.

**One ounce will plant 10 to 15 hills, 2 to 3 pounds for one acre.**

**Big Tom.** This grand new Pumpkin is the result of many years' selection from the old Golden Marrow or Michigan Mammoth Pumpkin. The skin and flesh are of a deep, rich orange color; of excellent flavor for pies, etc., cooking soft and tender. For table use and stock feeding no more profitable or better variety can be grown. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Connecticut Yellow Field.** A large yellow variety; the best for field culture; very productive; used by some for culinary purposes, but largely grown for feeding stock. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Golden Oblong.** Oblong in shape, as its name indicates and of very uniform size; skin of a rich, golden yellow and tough, making it an excellent keeper. It is very prolific and is valuable for pies as also for feeding stock. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**King of the Mammoths.** This is truly a giant among Pumpkins; specimens have been grown to weigh 250 lbs. In shape it is round, flat and slightly ribbed; color of skin and flesh bright golden yellow and of good quality, making excellent pies, but grown principally for stock; its extreme size makes it a prize winner for exhibition purposes. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Large Cheese, or Kentucky Field.** Flat and round like a cheese; color of skin deep orange; flesh somewhat lighter. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 90 cts.



Early Scarlet Globe Radish. See page 40.

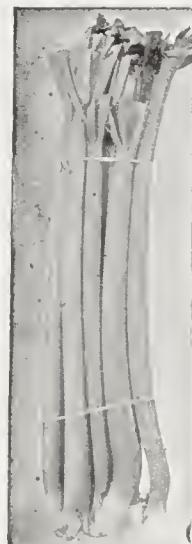


Pumpkin.

**Green-striped Cushaw.** Fruits very large, with crooked neck; creamy white, irregularly striped or traced with green; flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular with growers in some sections. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 90 cts.

**Sweet, or Sugar.** This is a small, round and very prolific variety; skin and flesh deep orange yellow; very fine-grained, sweet and fine for pies. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Winter Luxury.** The very best Pumpkin for pies. It grows round and uniformly to a diameter of 10 to 12 inches. Color a beautiful golden yellow, very closely netted. As a Winter keeper it stands unequaled. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.



Rhubarb.

## Rhubarb

Can be grown from seed or from the single eyes taken from large roots. If from seed sow early in April in  $\frac{1}{2}$ -inch drills, thinning to 6 inches apart. In the permanent bed set plants 3 feet apart each way. Cultivate and enrich soil at least 2 feet deep. **One ounce will produce 700 plants.**

**Victoria.** The variety in general use for the market. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 60 cts., lb. \$2.00. Roots, 15 cts. each, \$1.50 per doz., \$9.00 per 100.



**Germāco**  
**Hotkaps**

Hotkaps permits earlier plantings and give complete protection from winds and cold rains.

## Radish

To succeed with the Radish, everything must be done which will promote steady, rapid growth. A light, rich, sandy soil is best, and for early Spring Radishes the seed should be sown in February in hotbeds, providing gentle heat. Sow in rows 6 inches apart, cover lightly; when plants are well up, thin to 1 or 2 inches apart in the rows. As soon as ground can be worked transplant out-of-doors in beds of finely prepared soil. Rows 8 to 10 inches apart. For a later succession sow every 10 days or two weeks. Sow the seed for Winter varieties in July or August, take up before the first severe frost, pack in sand and store in a cool cellar.

One ounce will sow 100 feet of drill.

**Extra Early Deep Scarlet Turnip.** Small top; very early; one of the best for forcing; matures in three weeks or less. Small, globular, deep rich red; flesh white; crisp and tender when young. May be planted closely. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Early Deep Scarlet Turnip.** Small, round, dark red, turnip-shaped; small top; quick growth; flesh white, crisp and tender. More generally used for outdoor planting and forcing than others. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Early Scarlet Turnip, White-Tipped.** One of the handsomest; a great favorite for early planting outdoors; roots slightly flattened beneath; deep scarlet, with white tip; flesh white and of the best quality. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**French Breakfast.** Medium size; olive-shaped; small top; quick growth; crisp and tender; scarlet except near tip, which is pure white. Splendid for table on account of its excellent qualities and beautiful color. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Early Scarlet Globe.** The roots of this variety are slightly olive-shaped and a rich, bright scarlet in color. The flesh is white and tender. We recommend this as a large, first-early Radish. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Early Long Scarlet.** 6 or 7 in. long; half out of ground; straight and smooth; bright scarlet. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Icicle.** The earliest long white Radish of extraordinary crispness and tenderness; very fine for Summer planting. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Earliest White Olive-Shaped.** The earliest of all. Good-sized Radishes have been pulled 18 to 20 days after sowing; pure white, oblong, crisp and tender. Tops are small, rendering them suitable for forcing, and admit of close planting. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Early White Turnip.** Pure white, small top; flesh white and semi-transparent. Few days later than Deep Scarlet Turnip; will bear heat longer without becoming spongy. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Early White Giant Stuttgart.** Roots often 4 in. in diameter; skin white, flesh white and crisp, remaining so until very late; excellent for Winter use. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 80 cts.

**Mammoth White Russian Winter.** Pure white;



White Icicle Radish.  
Very fine for Summer, crisp, tender.

about 1 foot long and 2 to 3 in. through, tapering to tip. Flesh tender, and crisp, keeps well through Winter. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 80 cts.

**Scarlet China Winter.** Roots cylindrical, largest at bottom, tapering to small top; skin smooth and rosy; flesh firm like Black Spanish, but more pungent. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 80 cts.

**Round Black Spanish Winter.** Roots round, 3 to 4 in. in diameter; skin black, flesh white, compact and highly flavored. Excellent sort for Winter. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 80 cts.

**Long Black Spanish Winter.** One of the latest as well as the hardiest; considered excellent for Winter; roots oblong, black, large and firm. Is an excellent keeper. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 80 cts.

## Squashes

Not safe to plant before May 15. Prepare and enrich soil as for Cucumber, and plant seed in hills, 3 to 4 feet apart each way if for Summer varieties, and 6 to 8 feet for the later sorts. Plant 8 to 10 seeds in each hill, covering  $\frac{1}{2}$  inch deep, and as soon as plants have set their rough leaves and danger of bugs is past, thin to four plants per hill. **Of the early varieties, one oz. will sow 40 hills, and 10 hills of the later sorts, 4 to 6 lbs. for one acre.**

**Early Golden Summer Crookneck.** Richest and best for Summer, early and productive. Small, crook-necked, covered with little warts (the more the better). Color light yellow; shell hard when ripe, used only when young and tender. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00.

**Giant Summer Crookneck.** Earlier even than common variety, while Squashes grow extra large, measuring 18 in. to 2 ft. long; fine quality. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.00.

**Giant Summer Straightneck.** Similar in appearance to the Crookneck except that the fruit is straight making this a very fine sort for packing. Pkt. 10 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts., lb. \$1.50.

**Early White Bush Scalloped.** Shaped like yellow; lighter colored. Larger, coarser and later. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Delicious.** Grows to weigh 5 to 10 lbs. and is considered one of the best table, Fall and Winter Squashes. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.



Improved Hubbard Squash.

## SQUASHES—Continued.

**Early Prolific Orange Marrow.** Ripens two weeks ahead of the Boston Marrow, and excels it in productiveness and keeping qualities. Orange-red, medium size, sweet flavor, thick, high-colored orange flesh, fine grained and dry when cooked. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. \$1.00.

**Table Queen.** In size Table Queen equals a fair-size, husked cocoanut and a half baked serves one person amply. Unusually thin skin. The meat is dry and mealy, yields enormously, a few hills furnishing an ample supply for a good-sized family. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**Hubbard.** The standard Winter Squash, grown more extensively than any other late variety; dark green, shell hard, flesh dry, fine-grained, sweet; an excellent keeper and with some care will keep three months later than the Marrows. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Italian Vegetable Marrow (Cocozelle di Napoli).** The fruits are oblong, average 12 in. in length, color dark green, often striped. They may be prepared for the table the same as any other variety of Summer Squash, but are delicious when cooked like Egg Plant. Picked young and cooked this way they are a delicacy Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Golden Hubbard.** Identical in form and quality with the well-known Hubbard Squash except that the heavily warted skin is a beautiful golden. Flesh is deep orange to rind. Cooks very dry; fine-grained and well-flavored. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

**Blue Hubbard Squash.** A distinct sport of the well-known Hubbard. The skin is a peculiar shade of light blue. It is very uniform in size, with very firm dry flesh. It is also a fine keeper and makes an excellent market variety. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 45 cts., lb. \$1.50.

**Mammoth Chili.** True Stock. Largest of all; often attaining a weight of 200 lbs. without losing its fine shape and good quality. Rich orange-yellow outside; skin smooth, flesh very thick, bright yellow. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., lb. \$1.25.

## Sorrel

**Large Leaved French.** Use for soups and salads. Sow seed in any good garden soil in shallow drills a foot apart. Thin plants to a few inches apart and remove seed stalks as soon as they appear. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts., lb. \$1.25.



Bloomsdale Long Standing Spinach.

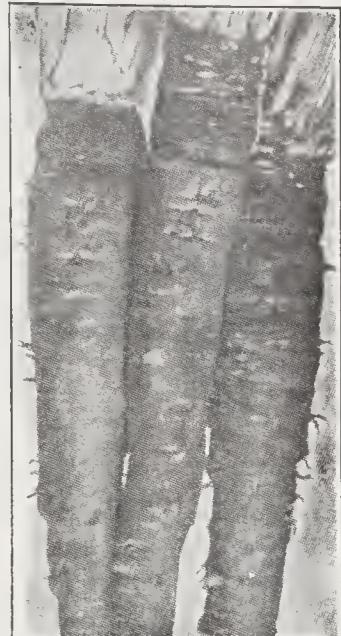
## Salsify, or Vegetable Oyster

Plant and cultivate same as Parsnip, as it is perfectly hardy; it can remain in the ground during the Winter, but should be lifted in the Spring before it commences to sprout. Store a supply for Winter use in a cool cellar like other root crops.

**One ounce will sow 100 feet of drill.**

**Sandwich Island Mammoth.** This improved type of Salsify has entirely superseded the old variety, being nearly double the size, very smooth, white, and of fine quality. The roots being mashed

or when made into fritters, it is almost impossible to distinguish them from the oyster fritters. Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 60 cts., lb. \$2.00



Sandwich Island Mammoth Salsify.

## Spinach

Thrives best in the richest soil you can give it. Plant seed in drills 12 to 14 inches apart, using plenty of seed, and cover about an inch deep, pressing soil down firmly. For early Spring, sow in August or September, covering the bed lightly during Winter with litter which should be removed as soon as growing commences in Spring. For Summer sow in Spring as soon as ground can be worked, thin to 3 inches apart in row, and for a succession repeat every two weeks.

**One ounce will sow 100 feet of drill, 8 to 12 pounds for one acre.**

**Viroflay, Thick-Leaved.** One of the best for market or kitchen garden. Quick-growing, round-seeded variety; thick dark green leaves, slightly crumpled; suitable for either Spring or Fall sowing. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 40 cts.

**Evergreen, or Long-Standing.** This Spinach will stand two weeks longer than any other without running to seed. Leaves round, large, unusually thick, deeply curled and fine, dark green color. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 40 cts.

**King of Denmark.** This Spinach grows rapidly and produces large, thick crumpled leaves of a beautiful, dark green color. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 45 cts.

**New Victoria.** A favorite for Spring planting. Fine texture, deep green, with heavily crimped, thick, fleshy leaves and deep red stem. Remains in good form after other sorts have gone to seed. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 40 cts.

**Bloomsdale, Long Standing.** Very hardy, with leaves curled and wrinkled like a Savoy Cabbage. One of the best for Fall sowing. Oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., lb. 40 cts.

**New Zealand Summer.** Not a Spinach, but used as such. Grows  $1\frac{1}{2}$  feet high and is very prolific; does well in hot Summer weather when the ordinary Spinach cannot be had; valuable for hot climates. Soak the seed in hot water before using. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 60 cts.

**SWISS CHARD.** See Beet, page 25.



## Tomatoes

Tomatoes thrive best on a light, warm, not over-rich soil. For early plants sow in the hotbed in drills 3 inches apart, four or five seeds to the inch, cover lightly, or they may be started in the sunny window of a warm room. Transplant when 2 inches high into other hotbeds, or into boxes or single pots, and place in the frames; if potted, it is well to plunge the pots into the earth level with their tops. Avoid crowding the plants; 4 inches is as near as they should stand in the frames. Lift the sash on warm, sunny days, and two or three weeks before setting outside gradually harden by exposure to the night air. Set 4 feet apart each way in the open ground in May, as soon as danger from frost is past. For later use sow in the open ground in May, transplant when large enough to handle. By training the vines on trellises or tying up to a stake the fruit will ripen better, be of better quality and of increased productiveness.

**One ounce will produce about 1,200 plants.**

**Spark's Earliana.** The earliest large Tomato in the world; it is not only remarkable for its earliness, but for its very large, uniform size, handsome shape, beautiful bright red color and wonderful productiveness. It is smooth and solid, quite thick through and with solid center. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.75.

**Bonny-Best.** Within one week as early as the famous Spark's Earliana; the fruits are uniformly larger, thicker through, more solid and of finer quality. Both early and throughout the season the Tomatoes are uniformly of good size. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.75.

**John Baer.** Excellent quality, firm, good sized smooth Scarlet fruit, good canner. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.75.

**Dwarf Champion.** The plants grow stiff and upright, with thick-jointed stems and foliage unlike most others, of an unusually dark green color; the fruit is medium in size; pink color. Pkt. 10 cts., oz. 45 cts.,  $\frac{1}{4}$  lb. \$1.35, lb. \$4.75.

**Livingston's Dwarf Stone.** Is another splendid variety from Livingston. It resembles the Dwarf Champion in vine, with fruit double the size, yet equally early. In color and shape it resembles the Livingston's Stone and is practically the same size. It ripens evenly; is free from cracks about the stem. The flesh is firm and solid; it is also very prolific. Pkt. 10 cts., oz. 45 cts.,  $\frac{1}{4}$  lb. \$1.35, lb. \$4.75.

**Greater Baltimore.** Vigorous main crop variety. Fruit bright scarlet and solid. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.75.

**Marglobe.** Developed by the Bureau of Plant Industry, U. S. Dept. of Agriculture. An extremely heavy cropper, with large, smooth, meaty red fruits free from cracks. Rust and wilt resistant. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.75.

**Livingston's Stone.** This Tomato has already obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is red, perfectly smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75.

**Pritchard Scarlet Topper.** A development of the U. S. Dept. of Agriculture, much in favor as a canning sort. Pkt. 10 cts., oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.75.

**Ponderosa.** No other Tomato approaches this for size, weight and solidity. The vines are strong and vigorous, and easily carry their enormous weight of fruit. Its color is of a dark rich crimson, flesh solid. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.25.

**Oxheart.** Extremely large late pink-fruited tomato. A novelty in size and shape. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.25.

**Golden Queen.** A really good yellow sort of first-class quality. It is solid, smooth; entirely free from ridges; large in size, ripens up early and is a very handsome sort; the larger and riper fruits are frequently tinged with red at the blossom end. None excels it for eating raw or slicing. Makes beautiful preserves. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50.

**Yellow Plum.** Fruit plum-shaped, clear, deep yellow color and fine flavored; much esteemed for preserves. Pkt. 10 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50.

**Strawberry, or Husk Tomato.** This, unlike other varieties, grows in a husk or pod, and may be kept all Winter if the husks are not removed. Pkt. 10 cts., oz. 50 cts.

# Turnips

The old adage: "Sow Turnips the 25th of July, wet or dry," still holds good for the main crop, but excellent results are often obtained from seed planted early in August. New land, plowed the previous Spring, is good; harrow thoroughly and dress liberally with first-class commercial fertilizer. Sow broadcast and rake or bush in. For Summer use, sow early, flat varieties as soon as ground can be worked in Spring in drills 12 to 14 inches apart; cover lightly and thin 6 to 8 inches apart in the rows. Don't use fresh manure, as it makes the roots rough and useless.

**One ounce will sow 10 square rods, one pound for one acre.**

**Extra Early Purple-Top Milan.** New flat Turnip; earliest in cultivation. Medium size, flat and smooth; skin white, changing to bright purple above ground; flesh white and firm; flavor mild and sweet. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 30 cts., lb. 90 cts.

**Early White Flat Strap-Leaf.** Popular, early market variety; good size and quick growth; flesh white, sweet and tender; good for early Spring planting. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**Early Purple-Top Strap-Leaf.** Very popular; more generally cultivated than the other flat varieties, as it is a quick grower and attains a much larger size; valuable for Spring and late planting; flesh and skin white, skin changing to purple above ground; very compact and fine. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**Purple-Top Globe.** Large; globe-shaped; good quality; productive and handsome; flesh white and tender, skin white and purple. Good for table or feeding stock. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**Long White, or Cow-Horn.** Carrot-shaped, standing half out of ground; flesh and skin are pure white, shading to green above ground; very productive; grown largely for feeding. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**White Egg.** Quick grower, egg-shaped, very smooth, pure white; thin skin, flesh solid, mild, juicy and sweet. Grows large, keeps late, one of the best. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**White Globe (Pomeranian).** Very desirable; large, round, smooth, white, good for table use and feeding stock; very early, good quality, productive. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**Sweet Yellow Globe.** One of the very best for table and feeding; globe-shaped, large, smooth and handsome; pale yellow, flesh hard and firm, mild and sweet. Keeps well. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

**Golden Ball.** Globular, good size, flesh deeper color than Yellow Globe; firm, good keeper, excellent. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 70 cts.

## SWED TURNIPS

Also known as Rutabaga, Russian, French, and Rock Turnips. Sow from the middle of June until the middle of July in drills 2 feet apart and thin liberally. Cultivate thoroughly.

**One ounce will sow 150 feet of drill, one pound for one acre.**

**Budlong's Improved White French.** An improved American variety. Early and grows nearly globular; large, solid and fine-grained; mild and sweet; keeps well until late Spring. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Sweet White Rock.** One of the very best of Swedish sorts; commands a good price. Good size and shape, smooth and clear white, hard and brittle, but cooking tender and sweet. As a Winter

**SEME SAN**  
DU PONT  
Makes Seeds Healthy



Sweet Yellow-Globe Turnip.

or Spring Turnip, it has no superior and few equals. Keeps very late. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Improved American Purple-Top Swede.** A strain of yellow Rutabaga of American origin, with smaller top and with shorter neck than English varieties. Oblong, with short tap-root. While growing large on strong, newly cultivated land, they remain solid and fine-grained. Flesh deep yellow; skin yellow, purple above ground. Quality and flavor sweet and mild, and like the other Swedes, keeping until late Spring. Pkt. 5 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

## Tobacco

**American-Grown Havana.**  $\frac{1}{2}$  oz. 30 cts., oz. 50 cts.

**Fine East Hartford Broad-Leaf.**  $\frac{1}{2}$  oz. 30 cts., oz. 50 cts.

## Sweet Herbs

**Catnip.** Pkt. 10 cts., oz. 75 cts.

**Broad-Leaf Sage.** Pkt. 10 cts., oz. 35 cts.

**Dill.** Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 25 cts., lb. 75 cts.

**Lavender.** Pkt. 10 cts., oz. 50 cts.

**Rosemary.** Pkt. 10 cts., oz. 60 cts.

**Sweet Basil.** Pkt. 10 cts., oz. 25 cts.

**Sorrel.** Pkt. 10 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 40 cts.

**Sweet Fennel.** Pkt. 10 cts., oz. 25 cts.

**Sweet Marjoram.** Pkt. 10 cts., oz. 40 cts.

**Summer Savory.** Pkt. 10 cts., oz. 25 cts.

**Thyme.** Pkt. 10 cts., oz. 60 cts.

**PLEASE REMEMBER THAT OUR STORE IS LOCATED AT THE SAME PLACE IN THE SHOPPING DISTRICT, WHERE WE HAVE DONE BUSINESS FOR MANY YEARS.**



## General List of Grass Seeds

We make a specialty of Grass and adapted Clover Seeds and carry only stocks of varieties best suited for Connecticut.

Prices subject to market changes without notice.

Prices on seed in the following list fluctuate with the market, and will be quoted on request.

**Timothy, or Herd's Grass** (*Phleum pratense*).  $\frac{1}{2}$  bus. to the acre (45 lbs. to a bus.).

**Red-Top Grass** (*Agrostis vulgaris*). Absolutely clean and free from chaff. 15 lbs. to the acre (36 lbs. to a bus.).

**Fancy Clean Blue Grass, Kentucky** (*Poa pratensis*). Also called June Grass. Fancy recleaned seed. 30 lbs. to the acre (25 lbs. to a bus.).

**Creeping Bent** (*Agrostis stolonifera*). 50 lbs. to the acre.

**Hard Fescue** (*Festuca duriuscula*). 30 lbs. to the acre

**Meadow Fescue** (*Festuca pratensis*). 40 lbs. to the acre.

**Meadow Foxtail** (*Alopecurus pratensis*). 25 lbs. to the acre.

**Orchard Grass** (*Dactylis glomerata*). 3 bus. to the acre (14 lbs. to a bus.).

**Chewing's New Zealand Fescue.** Highly recommended for putting greens (27 lbs. to a bus.). Recleaned and of latest crop.

**Rhode Island Bent** (*Agrostis canina*). 36 lbs. to the acre (36 lbs. to a bus.). Certified.

**Rough Stalked Meadow Grass** (*Poa trivialis*). 20 lbs. to the acre.

**Rye Grass, English** (*Lolium perenne*). 2 bus. to the acre (24 lbs. to a bus.).

**Rye Grass, Pacey's** (*Lolium perenne tenue*). 60 lbs. to the acre (28 lbs. to a bus.).

**Rye Grass, Italian** (*Lolium italicum*). 2 bus. to the acre (18 lbs. to a bus.).

**Sheep's Fescue** (*Festuca ovina*). 50 lbs. to the acre

**Sweet Vernal Grass** (*Anthoxanthum odoratum*). 25 lbs. to the acre.

**Tall Fescue** (*Festuca elatior*). 40 lbs. to the acre.

**Tall Meadow Oat Grass** (*Avena elatior*). 6 bus. to the acre (12 lbs. to a bus.).

**Wood Meadow Grass** (*Poa nemoralis*). 28 lbs. to the acre.

## CLOVERS

**Northern Grown Domestic.** We do not handle imported clover seeds.

**Medium Red.** Withstands the severe open Winters in New England. Because of its root system and method of stooling, it requires one-third less seed than you would use of a mixture containing ordinary red clover. Do not fail to inoculate. See page 45.

**STIMUGERM**  
LEGUME INOCULATION

**White** (*Trifolium repens*).

If sown alone, 8 to 10 lbs. to the acre.

**Alsike, Swedish** (*Trifolium hybridum*). If sown alone, 8 to 10 lbs. to the acre.

**Alfalfa, or Lucerne** (*Medicago sativa*). Genuine **Grimm certified**.

If sown alone, 20 lbs. to the acre. Is acclimated to the rigid Winters of the north and is naturally hardy. It is grown in a territory where the range of temperatures is greatly varied and where there is a small amount of moisture. Therefore, to survive, it must be hardy. The crown of the plant is larger and grows more under ground. There is an immense spread of the crown, with the underground buds fully protected by the soil. The unusual root system enables the plant to withstand severe Winter weather. In sealed bags. Inoculate without fail. See page 45.

**Crimson** (*Trifolium incarnatum*). An annual with crimson flowers. 12 to 15 lbs. to the acre.

Prices on seed in the lists above fluctuate with the market, and will be quoted on request.



Timothy

# Selected Farm Seeds

## SPECIAL MIXTURES FOR PERMANENT HAY

No. 1, for cool, moist soils, sow 35 lbs. to acre.  
 No. 2, for high, dry soils, sow 40 lbs. to acre.  
 No. 3, for wet soils, sow 35 lbs. to acre.

## SPECIAL MIXTURES FOR PERMANENT PASTURES

No. 4, for cool, moist soils, sow 35 lbs. to acre.  
 No. 5, for high, dry soils, sow 40 lbs. to acre.  
 No. 6, for wet soils, sow 35 lbs. to acre.

## Barley

**Montana, Two-Rowed.** Head longer than the six-rowed varieties and the grain is larger, plump, extra heavy, in favorable seasons nearly white. Extensively grown for green foliage.  
**Common.** Six-rowed; grown for foliage.

## Soja Beans

One of the most valuable and important forage and soil-improving crops. When cut together with Corn for the silo, they greatly improve the quality of the feed.

## Rye

**Spring.** Valuable for "catch crop" to sow where Winter grain has failed. 1½ bus. per acre.  
**Winter Rosen.** Sow from the middle of August to last of September. Sow broadcast, or drill at rate of 1½ bus. per acre.

## Dwarf Essex Rape

Rape has a high feeding value for fattening sheep and swine, also a good milk producing food for cows. Sow broadcast, 5 to 6 lbs. to the acre.

Prices on seed in the following list fluctuate with the market, and will be quoted on request.

## Millets

Sow three-fourths to one bushel to the acre.  
**Hungarian Grass** (*Sectaria germanica*). 48 lbs. to the bus. Market price.

**Golden.** 50 lbs. to the bus. Market price.  
**Japanese, or Barnyard.** 32 lbs. to the bus. Market price.

## Sudan Grass

An annual of quick growth, the first crop being ready to cut in 50 to 70 days after planting, depending upon the length of the seasons and moisture; the second and third crops about 45 to 50 days later.

## Japanese Buckwheat

1 bus. to the acre (48 lbs. per bus.).

## Canada Field Peas

2 bus. to the acre; with oats 1½ bus.

## Vetches

**Winter, Sand, or Hairy.** No other legume surpasses it as a nitrogen-gatherer or as a cover crop. 30 to 60 lbs. to the acre.

**Spring.** An annual legume valuable as a Summer forage when sown early in Spring at the rate of 30 lbs. Vetch and 2 bus. grain Barley or Oats per acre.

## Wheat

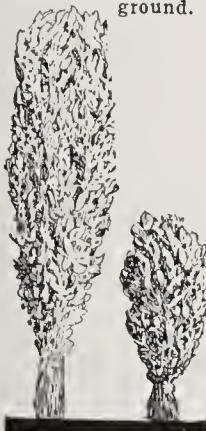
**Marquis Spring.** Adapted for New England, maturing about ten days earlier than others.

**White Winter** (Klondyke White Chaff). Bald. A hardy variety; very prolific in this section. 2 bus. to the acre.

# SEED INOCULATION



Nod-O-Gen insures better plant growth above and below ground.



### WHAT NODOGEN JELLY IS

Nodogen jelly is a pure culture of nitrogen fixing bacteria, selected for maximum vitality and ability to transform nitrogen from the air into soluble nitrates and deposit them in the soil.

Every bottle is dated and guaranteed for one year.

### Prices Are Low

#### Special Garden Size for Beans, Peas and Sweet Peas, 25c.

##### ALFALFA and CLOVERS

##### Small Seed Varieties

1 bu. unit.....	.65
½ bu. unit.....	.35

##### SOYBEANS and COWPEAS

5 bu. unit.....	\$1.40
2 bu. unit.....	.65
1 bu. unit.....	.35

##### VETCH, PEAS and BEANS, ETC.

Large Seed Varieties	
5 bu. unit.....	\$1.40
2 bu. unit.....	.65
1 bu. unit.....	.35

When ordering, be sure to state what crops you wish to inoculate, also number of bushels you will sow.



(Jelly Medium)



See our DISPLAY of GARDEN TOOLS and ACCESSORIES for BETTER GARDENS

## Insecticides and Fungicides

Liquids and Poisonous Powders may be forwarded by Parcel Post. See U. S. Parcel Post Regulations. For a distance of 150 miles from our store add 8 cents per pound and 1.1 cents for each additional pound. See Page 64 for Parcel Post Rates.

All Prices subject to change without notice.

**Antrol**

filled Feeders, 10c. each.

Regular Antrol Cottage Set, with 4 containers and one 4-oz. bottle Syrup, 75c.

Syrup, 4-oz. bottle, 35c.; 1-pt. bottle, 85c.; 1-gal. can, \$3.50.

Extra glass containers, 10c. each.

**ANTROL ANT AND ROACH POWDER.** For household use. Produces an immediate effect, and in situations where Antrol cannot be used to advantage. 2-oz. cans, 25c. 4 oz. 40c.



For quick, sure permanent relief from Ants, Roaches, Silver-Fish, Rats and Mice. Easy to use. Small tube 35c., large tube 85c.

**ATLACIDE**  
CALCIUM CHLORATE

Non-Poisonous

**KILLS**

Dust  
or Spray

**POISON IVY**

and all other weeds

5 lb. tin (kills 300 to 1500 sq. ft. of weeds), \$1.50 each.

15 lb. drum	.....	\$3.50
50-lb. drum	.....	14c lb.
100-lb. drum	.....	13½c lb.
200-lb. drum	.....	13c lb.

**ARSENATE OF LEAD (Coated).** Found by the U. S. Department of Agriculture to be the most effective spray for the control of the Japanese beetle. Two level tablespoonfuls to 1 gal. water. 1 lb. makes 25 gals. spray. 5 lbs. \$2.50.

**ARSENATE OF LEAD (Powdered).** Directions with each package. Two level tablespoonfuls to 1 gal. water. 1 lb. makes 24 gals. spray. Lb. 30c., 4 lbs. 85c., 24 lbs. \$4.00.

**ARSENATE MAGNESIUM.** Used for the control of the Mexican bean beetle. Spray 200 gallons per acre. One level tablespoon to gallon. 2 lbs. makes 100 gals. 12 oz. 35c., 2 lbs. 65c.

**"BLACK LEAF 40"** (Sulphate of Nicotine). Destroys aphids, thrips, and all soft-bodied sucking insects without injury to foliage, perfectly soluble in water. Directions with each package. One to two teaspoonsfuls makes 1 gal. spray. 1 oz. bottle 35c., 5 oz. bottle \$1.00., 1-lb. can \$2.25, 2-lb. can \$3.25, 5-lb. can \$5.85, 10-lb. can, \$10.60, 50 lbs. \$42.50.

**B-K (Bacili-Kil).** Powerful disinfectant, sterilizer, deodorant, antiseptic, for milk plants, dairies, live stock and poultry farms. qt. 90c., gal. \$2.00, 5 gals. \$8.50.

**B-K**  
Bacili-Kil  
Paste-Mix

**BLUE STONE** (Sulphate of Copper). Market price.

**BORERKIL** (Nicotine Paste). Borerkil in paste form that kills boring insects when injected into their burrows. Handy tubes with injector. 60 cts.

## INSECTICIDES AND FUNGICIDES—Continued

**BORDEAUX MIXTURE** (Dry). Ready for use by simply adding water. For general use, mix 3 heaping tablespoonfuls to 1 gal. water. 1 lb. makes 5 gals. Lb. box 30e., 4 lbs. 80e., 48 lbs. **\$6.00**.

**BORDO LEAD** (Keycide Powder). Kills bugs and prevents blight, rot, mildew and fungus in one operation. Can be used for wet spraying or dry dusting. One pound makes 7 gals. ready to apply, three heaping tablespoonfuls to 1 gal. water. Lb. 35e., 4 lbs. **\$1.00**, 48 lbs. **\$9.00**.

**BOWKER'S "PYROX."** Mix 2 heaping tablespoonfuls to 1 gal. water. Jar 50e., 5 lbs. **\$1.75**, 10 lbs. **\$3.00**, 25 lbs. **\$5.00**, 50 lbs. **\$7.25**, 100 lbs. **\$12.50**.

**BUG DEATH.** A non-poisonous powder, but sure death to Potato, Squash and cucumber bugs, Currant and Tomato worms, also all other plant eating pests. About 12½ lbs. per acre. Lb. pkg. 20e., 5-lb. pkg. 60e., 12½-lb. pkg. **\$1.40**, 100-lb. **\$8.00**.

**CALO-CLOR.** Mixture of Calomel and Corrosive Sublimate for the prevention and control of large and small brown patch. 1-lb. bottle **\$1.85**, 5 lbs. **\$8.75**. Subject to Market changes.

**CALOGREEN.** A specially manufactured grade of Calomel used in the control of small brown patch. 1 lb. **\$2.00**, 5 lbs. **\$9.00**. Subject to Market changes.



**CUBOR** is a Contact and Stomach insect poison in dry powder form. 2-oz. makes 3 to 12 gallons spray. 2 oz. 35e., 1 lb. **\$1.25**.



**CYANOGAS.** The new, efficient, inexpensive chemical insecticide.

**Cyanogas "G" Fumigant.** Is the standard greenhouse and mushroom house fumigant.

**Cyanogas "A" Dust.** Is universally used to kill ants, rats, moles, woodchucks and other burrowing rodents.

Leaflets with detailed directions furnished upon request. "G" Fumigant, 5 lbs. **\$3.00**. "A" Dust, ½ lb. 45e., lb. 75e., 5 lbs. **\$3.00**.

**ANT KILLER—CYANOGAS.** "Simply enlarge entrance of nest with pointed stick or long shank screw driver. Adjust spout—allow small amount of Cyanogas to flow into the hole. The Queen and worker ants are killed in a few minutes." Can 30c.

**CALOMEL.** Used in the control of maggots on cabbage, cauliflower or other related plants. Mix 1 lb. to 25 lbs. hydrated lime. Market price.



**CARBOLINEUM** (Arrow Brand). Preserves wood everywhere and is highly recommended against mites and other insects in poultry houses. Gal. **\$1.50**. Prices on application for large quantities.

**CARBOLA.** Use it instead of whitewash. A snow white, cold water paint that will not blister, flake, or peel off. Particularly good for use in stables, cow barns. 5 lbs. makes 2½ gallons, 60e., 10 lbs. **\$1.00**, 25 lbs. **\$1.90**, 50 lbs. **\$3.50**.

**CORROSIVE SUBLIMATE.** Often used in the control of Brown patch earth worms and various root maggots on plants. 1-lb. bottles **\$1.50**. Subject to Market changes.

**CUPROCIDE** (Red Copper Oxide). Most varieties of seeds are safe from "damping off" when coated with Cuprocide. 4 oz. 35e., 1 lb. 90e., 5 lbs. **\$4.00**, 20 lbs. **\$14.00**.

**COPPER SOLUTION, HAMMOND'S.** Especially effective against Black Spot and Rust on Roses, diluted 1 part to 50 parts of water. Qt. can **\$1.50**, gallon **\$4.50**.

**STANLEY'S CROW REPELLENT.** Positively will not clog any planter. Small can, enough for one bushel seed Corn. 60e.; large can, for two bushels, **\$1.00**. Qt. Can, **\$1.75**.



**Stanley's CROW REPELLENT**

**DOGSOFF.** A liquid when sprayed on shrubbery and plants keeps the dogs away. Bottle 60e.



**DOG SKAT.** Tube releases vapor offensive to animals, but not noticeable to humans. One large tube lasts a year. Large tube 30c.

**DRY LIME SULPHUR.** Not a substitute for lime sulphur solution, but reduced to the dry form by a special process. To use, add water. Economical and convenient. Mix 3 heaping tablespoonfuls to 1 gal. water. 1 lb. makes 5 gals. Lb. 35e., 5 lbs. **\$1.35**, 10 lbs. **\$2.25**, 25 lbs. **\$3.50**.

**DERRISOL.** Full directions with each package. Use 1 teaspoonful with 1 gal. water.  

1 oz. bottle (makes 6 gals.)	.....	<b>\$ 0.35</b>
½ lb. bottle (makes 50 gals.)	.....	<b>1.25</b>
1 lb. can (makes 100 gals.)	.....	<b>2.25</b>
2 lb. can (makes 200 gals.)	.....	<b>3.25</b>
10 lb. can (makes 1000 gals.)	.....	<b>12.00</b>



**SEMESAN SEMESAN JR. SEMESAN BEL**  
**The Premier Seed Disinfectants**

**Prices for Du Pont Semesan**

2 ozs.	.....	<b>\$ 0.50</b>
1 lb.	.....	<b>2.50</b>
5 lbs.	.....	<b>11.75</b>
25 lbs.	.....	<b>46.25</b>

**Semesan Jr.**

4 ozs.	<b>\$ 0.35</b>
1 lb.	<b>1.00</b>
5 lbs.	<b>4.75</b>

**Semesan Bel**

4 ozs.	<b>\$ 0.50</b>
1 lb.	<b>1.65</b>
5 lbs.	<b>7.00</b>

Ask for Free Booklets Telling All the Facts



**NU-GREEN**

For the successful prevention and control of Brown Patch.

Beginning prior to the brown patch season, apply a solution of 1 lb. Nu-Green to 50 gals. of water. Use at the rate of 50 gals. of Nu-Green solution to 1000 square feet of turf, including the approaches and borders.

3 oz. tin.	.....	<b>\$ 0.50</b>
1 lb. tin.	.....	<b>1.65</b>

5 lb. tin. .... **\$ 7.00**

25 lb. pail. .... **30.00**



## INSECTICIDES AND FUNGICIDES—Continued

**FORMACIDE.** Stabilized Formaldehyde Dust. Triple strength seed and soil DISINFECTANT used as a control of Damping-Off.  $\frac{1}{2}$  lb. 45c., 1 lb. 75c., 5 lbs. \$2.00, 25 lbs. \$5.50, 50 lbs. \$9.00, 100 lbs. \$17.00.

**DRY MIX LIME SULPHUR.** A mechanical mixture highly recommended as a substitute for self-boiled lime sulphur. Mix 3 heaping tablespoonfuls to 1 gal. water. 1 lb. makes 4 gals. Lb. 15c., 5 lbs. 50c., 10 lbs. 85c.



Conquers mildew and black spot on Roses and diseases of other plants. Assures luxuriant foliage and bloom. Mix 4 tablespoonfuls to 1 gal. water; 1 tablespoonful to 1 qt. water.  $\frac{1}{2}$  pt. 75c., pt. \$1.25, qt. \$2.00,  $\frac{1}{2}$  gal. \$3.50, gal. \$6.00.

**GRAPE DUST, HAMMOND'S.** This dust is a combined fungicide and insecticide, easily used and never unsightly. It is safe, yet effective. 5-lb. pkg. \$1.50.

**HELEBORE, WHITE, POWDERED.** Universally used for the destruction of Rose bugs, Currant worms, etc. Very effectual and cheap. Use as a powder, or dissolve 1 level tablespoonful to 1 gal. water.  $\frac{1}{2}$ -lb. pkg. 30c., lb. pkg. 45c.

**KAYSO.** The Casein Spreader. Two heaping teaspoonfuls for each ten gallons or two pounds for each two hundred gallons of diluted spray. 1 lb. 30c., 2 lbs. 50c., 25 lbs. \$4.00.

**LEMON OIL INSECTICIDE.** The best and cheapest on the market. Used by nearly all leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Mix 4 tablespoonfuls to 1 qt. water.  $\frac{1}{2}$  pt. makes 1 gal. spray for most plants. Pt. 55c., qt. 85c., gal. \$2.75.

**MOLOGEN—Mole Killer.** Eliminates moles within two or three days. Non-poisonous to humans and pets.  $\frac{1}{2}$ -lb. can 50c.,  $1\frac{1}{2}$ -lb. can \$1.25, 5-lb. can \$4.00.

## MOUSE AND RAT EXTERMINATORS

K. R. O. Ready Mixed Bait	\$1.00
K. R. O. Powder Red Squill	.75
Mouse Seed	.25
Skata-A-Rat Tubes	.25
Common-Sense Tubes	.25

**NAPHTHALINE FLAKES.** The flakes are scattered amongst Gladioli Corms to control thrips. 1 lb. pkg. 20c.



nicotine for fumigating greenhouses. **Power Pressure Fumigator** (New).  $\frac{1}{2}$  lb. cans, 45c. each; \$4.20 doz., 1 lb. cans, 75c each; 6 for \$3.75; 12 for \$7.00.

**NICO-FUME LIQUID.** A highly refined solution of free nicotine, which is used both as a spray and for vaporizing. Complete directions on every tin. Use 1 to 2 teaspoonfuls to each gal. of water for general use. Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.

**NAPOTOSIDE**—Insecticide-fumigant. Especially good for control of gladiolus thrip. Fumigate bulbs with Napotoside and apply Napotoside between rows, during growing season. Used for greenhouse fumigation. 1 lb. 35c., 5 lbs. \$1.25; 25 lbs. \$4.00; 50 lbs. \$6.00; 100 lbs. \$11.00.

**PARA-DICHLORA BENZINE.** For Peach tree borers. Generates a gas which kills borers when placed around base of trees. Lb. 55c.

**PARIS GREEN.** A poison universally known and extensively used. Very liable to burn the leaves and foliage and should be used with great care. Poison bait for cutworms. 1 lb. Paris Green, 50 lbs. bran middlings, 2 qts. cheap molasses, 20 qts. water, mix thoroughly. Mix for ordinary spraying, level teaspoonful to 1 gal. water. Market price.

**POMO-GREEN (With Nicotine).** The Leaf-Green all in one dust or spray.  $\frac{1}{4}$  lb. makes one gallon liquid spray.

1-lb. can 75c., 5-lb. can \$3.00.

## Pomo-Green

The Leaf-Green Kolo-dust used for the control of many diseases and external chewing insects on flowering plants and shrubs. Lb. can 50c., 5-lb. carton \$2.00, 25-lb case \$8.00.

## PYROTE

Insect Spray for flowers, plants, fruits and vegetables. Harmless to Humans and Animals. 1 oz. 35c., 6 oz. \$1.00, pt. \$2.00, qt. \$3.50.

## -NON-POISONOUS-

## RED ARROW GARDEN SPRAY

PYRETHRUM-ROTELONE

Non-poisonous to child or pet. Will not burn or stain the most delicate leaf or flower. Endorsed by entomologists of agricultural experiment stations. 1 oz. bottles making 4 to 8 gals. 35c.; 4 oz. \$1.00; 1 pt. tins making 70 to 90 gals. \$2.50; 1 qt. tins making 140 to 180 gals. \$4.00; gal. \$12.00.

**RED COPPER OXIDE.** (See Cuprocide, page 47.)

**ROTELONE-STABILIZED DUST**—Market Price. See Cubor, Derrisol, Pyrote, Red Arrow, Slug Shot, Sulfrote.

**SCALECIDE** (Dormant Spray). Sure death to the San Jose scale. A soluble petroleum spray for use in orchards. It is economical, effective and acts as a fungicide. Mix 4 tablespoonfuls to 1 qt. water, 1 gal. makes 16 gals. Qt. 65c., gal. \$1.55, 5 gals. \$5.50, 10 gals. \$9.50, 15 gals. \$13.25, 30 gals. \$21.00, 50 gals. \$29.00.

**SLUG SHOT DUST.** The safe, non-poisonous, dusting Insecticide. Kills chewing insects and controls fungus. Harmless to humans, plants and vegetables. Kills Mexican bean beetle, cabbage worms, beetles, potato bugs, green flies, slugs, etc. 5 lbs. 85c.

## Snarol

The National Pest Control

An unusual combination of materials carefully selected to insure effectiveness wherever cutworms, earwigs, grasshoppers, snails, slugs or sowbugs give trouble. Depend upon it in any weather—rainy, wet or dry. Apply it without fear of injury whatever to any flower, plant, or shrub.  $1\frac{1}{2}$  lbs. 35c., 4 lbs. 85c., 15 lbs. \$3.00.

**SOAP, FISH OIL.** It is a most reliable, effective and cheap remedy for destroying scale, aphids, and all sucking insects on trees, Rose bushes, plants, vines, etc. Complete directions on the package. Dissolve  $\frac{1}{4}$  lb. in hot water to make 2 gals. of spray, less soap and water for smaller quantities. Lb. box 35c.



## INSECTICIDES AND FUNGICIDES—Continued

**SOAP, RED A.** Is the most advanced spray soap on the market. It is the result of intensive state and government research. Red A is in liquid form and immediately emulsifies when mixed with water. No waiting—no boiling—no weighing—no clogging of spray nozzles with Red A.  $\frac{1}{2}$  pt. 35c., pt. 50c., qt. 90c., gal. \$2.00.

**SULFOCID.** An efficient Summer spray for the control of scab and black rot on fruit trees. Excellent for mildew on Roses and for similar fungus troubles. Use 1 tablespoonful to 3 qts. water, dilute 1 gal. to 200 gals. of water. Pt. 50c., qt. 85c., gal. \$2.25.

**SULPHUR DUST.** (Powdered). Used extensively against mildew and various blights. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$5.00.



Has killing power about 50 times greater than usual ant remedies. Results **Guaranteed**. Mailable. Each 25c., doz. \$2.75. **Postpaid**.

**SULFROTE** (Rotenone-Sulphur). Non-Poisonous Dust for control of Mexican Bean Beetle, Cabbage Worms, Cucumber Beetles, Thrips, Flea Beetles, Leaf Hoppers, Red Spiders. 1 lb. 40c., 5-lb. bags, \$1.00.

**SUNOCO-SPRAY-OIL** (Dormant Spray). 1 gallon makes 15 gallons. 1 gal. \$1.25, 5 gal. \$5.00, 15 gal. \$8.25; 30 gal. \$13.80, 50 gal. \$19.00.

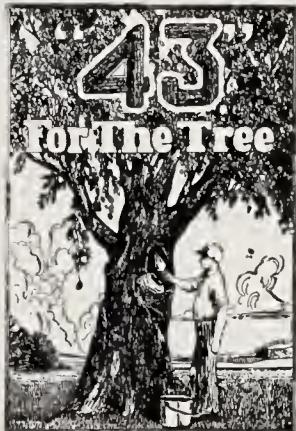
**THRIP JUICE, HAMMOND'S.** It is used to combat thrips, aphids, mealy bugs, soft scale and sucking insects generally. Use it on trees, plants, shrubs and flowers—especially Roses, Chrysanthemums, Carnations, Apple trees, Cherry trees, Grapes, etc. Dilute 1 part to 40 parts of water. Gal. \$4.50.

## USE 43

Protects wounds  
Kills insects and germs.  
Prevents rot and decay.  
Waterproof.

Sticks to surface.  
Remains plastic.  
Will not crack, crumble  
or shrink.

Each  
1 pt. cans..... \$0.40  
1 qt. cans..... .75  
 $\frac{1}{2}$  gal. cans..... 1.35  
1 gal. cans..... 2.50



**TREE TANGLE FOOT.** No insect of the climbing or creeping type can cross Tree Tangle foot bands. One banding lasts three or four months. 6 oz. 35c., lb. 65c., 5 lb. \$3.00, 10 lb. \$5.65.



**TOBACCO DUST.** This product is very fine, and analyzes high in nicotine. Applied when the vegetation is wet with dew, it is an effective and cheap remedy for lice, bugs, worms, and similar pests on Rose bushes, shrubs, Melons, Squash, Cucumber, Cabbage, etc. Lb. 10c., 5 lbs. 45c., 10 lbs. 75c., 50 lbs. \$3.00, 100 lbs. \$5.50.

## TRI-OGEN

### Combined Spray Treatment

Fungicide—Insecticide—Plant Stimulant

Complete Protection against Plant  
Insects and Diseases

## PRICES

- A. **Small Kit** (makes 16 quarts) ..... \$1.50  
Protects 12 to 20 roses for season.
- B. **Medium Kit** (makes 64 quarts) ..... 4.00  
Protects 50 to 80 roses for season.
- C. **Large Kit** (makes 32 gallons) ..... 6.00  
Protects 100 to 160 roses for season.
- D. **Estate Kit** (makes 128 gallons) ..... 20.00  
Protects 400 to 600 roses for season.

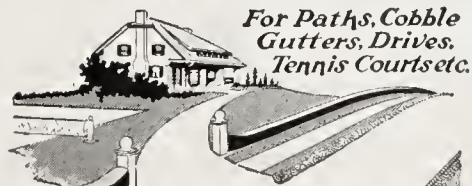
**VERMO-SPRAY.** Liquid exterminator of all species of insects, forms a gas which kills flies, roaches, moths, fleas and ants, hornets, etc. Guaranteed 100 per cent. effective if used according to instructions. Pt. 75c., qt. \$1.10, gal. \$3.25. Prices on application for large quantities.



**VOLCK.** The most powerful non-poisonous insecticide known; however, the fact that it is also one of the safest is of equal importance for pest control in house and garden. Mix  $2\frac{1}{2}$  level teaspoonsfuls to 1 qt. of water, 3 level tablespoonsfuls for 1 gal. spray.  $\frac{1}{2}$  pt. makes 5 gals.  $\frac{1}{2}$  pt. 35c., pt. 55c., qt. 80c., gal. \$2.50.

## "HERBICIDE"

### THE WEED EXTERMINATOR



**WEED EXTERMINATOR.** A liquid preparation for killing weeds in tennis courts, roadways, paths, etc. Dilute 40 to 50 parts water; each gallon should cover 2 to 3 sq. yds. Qt. cans 50c., gal. \$1.50, 5 gals. \$6.00.

**ADCO WEED KILLER POWDER.** See Page 61.

### WILSON'S O. K. PLANT SPRAY.

For Roses, Chrysanthemums, evergreens and all plants affected with scale or insects under glass or outside. Mix 3 tablespoonsfuls to 1 qt. water; 1 gal. makes 10 to 15 gals.  $\frac{1}{2}$  pt. 40c., qt. \$1.00, gal. \$3.00, 5 gals. \$12.00.

**WORM ERADICATOR.** When applied, the worms will immediately rise to the surface of the ground, ridding courts, greens or lawns of worms. If possible the application should be made on a warm, damp day. Gal. \$3.50, 5 gals. \$12.00, 10 gals. \$21.50.





## Deming Spray Pumps

### The "Century" Barrel Sprayer

The best all-round barrel sprayer on the market. Widely used for disinfecting farmyards, barns, poultry-houses and stock-pens, spraying stock-dip and cattle-fly oil, whitewashing

buildings and fences, etc., in addition to the regular work of spraying. Is proof against corrosion, as all working parts are brass. Will develop powerful pressure. Is easy to operate.

**Universal Iron Base.** Fits 10x10 in. hole in side or end of barrel. Filling hole in base admits liquid. 2½ in. iron cylinder, 4 in. stroke. Large air-chamber. Shipping weight, 75 lbs.

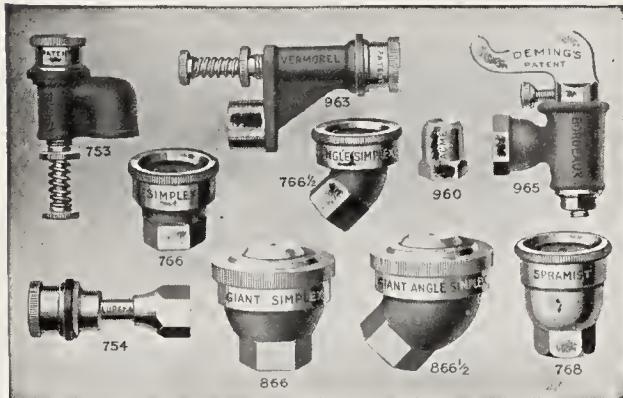
**Pump only.** ..... \$13.85

**Outfit "A".** Including one 12½ ft. section of ½ in. hose and Simplex nozzle. ..... 17.25

**Outfit "B".** Including two 12½ ft. sections of ½ in. hose and two Simplex nozzles. ..... 22.00

### PRICE LIST OF NOZZLES

<b>Fig. 965, "Bordeaux."</b> May be adjusted to throw fine or coarse spray or solid stream. Best for whitewashing. ....	<b>\$ 1.00</b>
<b>Fig. 963, "Vermorel."</b> With caps for fine or coarse spray. Spring disgorger. ....	<b>1.00</b>
<b>Fig. 766½, Angle "Simplex."</b> Has two removable steel discs for coarse or fine spray....	<b>.80</b>
<b>Fig. 866½, "Giant Simplex Angle."</b> Similar to 766½ but larger. ....	<b>1.10</b>



### The "Perfect Success" Bucket Spray Pump

Price, \$7.00

### Deming Hand Cart Sprayers

Complete two-wheeled hand cart sprayers with 25-gallon oak tank. Exceptionally strong and well balanced. Well adapted for inside use such as whitewashing, disinfecting, etc. Equally good in the orchard, greenhouse, nursery, poultry house or dairy barn.

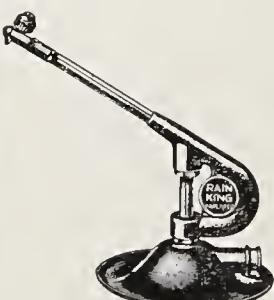


"Gardener's Choice" Price \$28.00

### Model G Rain King New Improved Double Whirling Shower

By simply using the water pressure in a garden hose you can now effectively spray your flowers, shrubs, and trees with the same efficient results secured by power spraying methods.

**\$3.75 Complete**



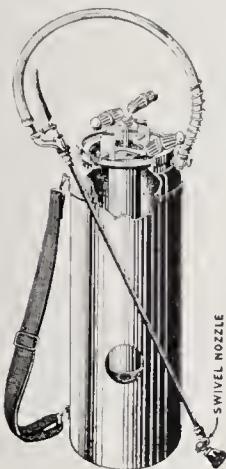
Price, \$3.50



Price, \$0.90

### The New Open-Hed Sprayer

For applying all insecticides, fungicides, disinfectants, cattle-fly oil, whitewash and cold water paint.



#### Features

- 1—Electrically Welded Seams.
- 2—Double Acting Pump Lock. Is quickly, easily and safely locked.
- 3—Tank Opening is 5" in diameter. Can easily be wiped dry.
- 4—Tank Guaranteed for 100 lbs. Pressure.
- 5—Rubber Double Grip Pump Handle. Both hands can be used for pumping.
- 6—Pump Unit completely Assembled.
- 7—Swivel Nozzle can be adjusted to any angle.

Style Numbers.

**Open Hed No. 3 $\frac{3}{4}$  B.** Brass Copper Alloy 3 $\frac{3}{4}$  gal. with Auto Pop and 2 ft. solid brass connection. **Price \$7.75.**

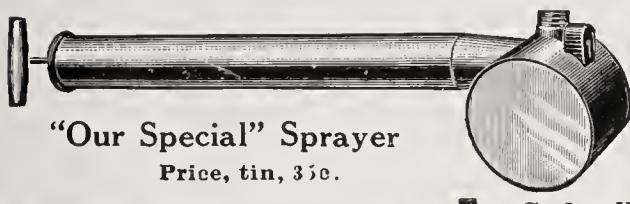
**Open Hed No. 3 $\frac{3}{4}$  D.** Heavy steel hot galvanized 3 $\frac{3}{4}$  gal. with "Auto Pop" and 2 ft. solid brass connection. **Price \$5.00.**



#### CRYSTAL-DUSTER

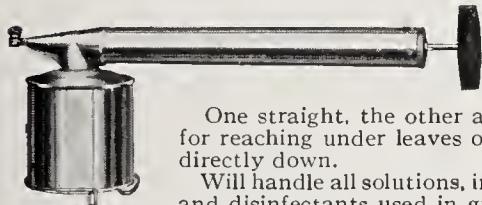
Hand Duster with Glass Container.

**Price \$1.40.**



#### "Our Special" Sprayer

Price, tin, 35c.



#### Cadwell & Jones Continuous Sprayers

#### TWO SPRAY CAPS.

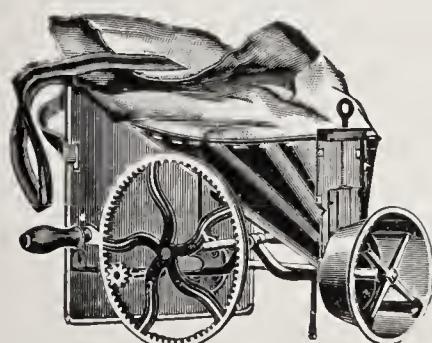
Copper \$1.65

Glass \$1.25



#### Cooper Hose Menders Hose Couplings

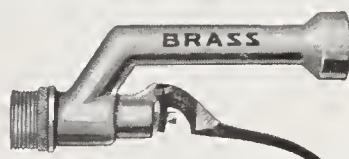
#### Hose Washers Hose Clamps



#### Cahoon's Broadcast Seed Sower **Price, \$5.25**



#### Hothouse Nozzle



#### Aquamatic Nozzle

Cuts water bill in half.

#### Vermorel Eclair No. 1—

#### Knapsack Sprayer



A marvel of French ingenuity—simplicity, efficiency, durability and lightness. The most perfect hand sprayer, and in a class by itself.



#### Powder Duster

**Price \$1.65**

#### Weathervane Feeder

**No. 107.** Made of cypress and rustic Hemlock. Contains a small basket for food. Length, including vane, 25 inches. **Price \$5.50.**

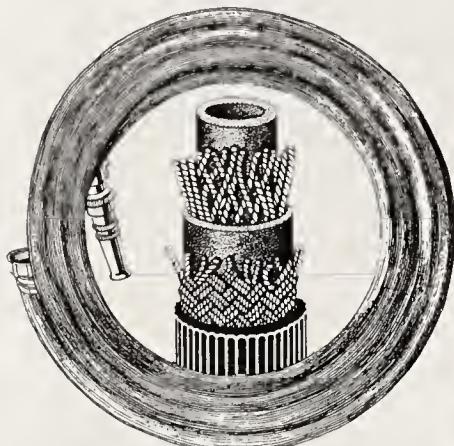


#### Rustic Bird House and Food Shelters

Priced \$1.00 upwards.



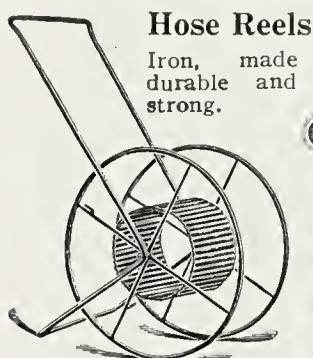
#### Choice Bird Seeds



### Cadwell & Jones Sterling—

#### Special Cord

A moulded hose made of the best materials. We offer this hose in 25- and 50-ft. lengths, coupled. This hose is guaranteed to give satisfaction.



#### Hose Reels

Iron, made durable and strong.



#### 5-Prong



#### Hand Weeder—15c



#### McGUIRE'S ACE WEEDER

Price 85 cts.



#### Tested

#### Thermometers

### Twig Lawn Broom

Price  
70c.



### Yamade Rake

Made of carefully selected bamboo. Our bamboo rakes are vastly superior to the cheap bamboo handle rake. Each, 18 in., 35c. and 65c.; 24 in., 90c.; 30 in., \$1.25.

McGUIRE'S  
YAMADE  
No. 1



← "Metal-Grip"—Places every tooth on the ground when held at normal angle.

← "Spiral"—Links teeth together without restricting flexibility.

### Fruit Picker



### Dibbles

Steel points, wooden handle.

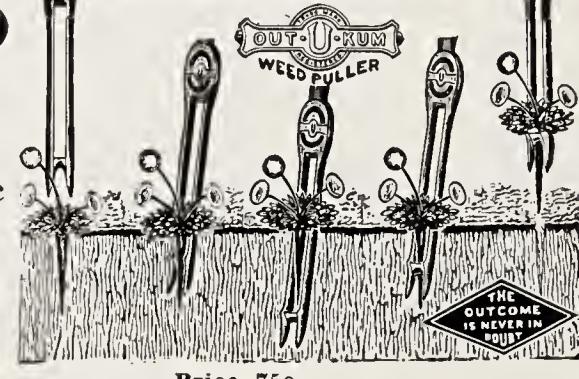
### Garden Trowels



Extra forged steel. Solid steel blade and shank.

### The "OUT-U-KUM" WEED PULLER

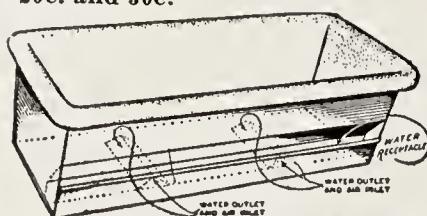
An Entirely New Principle  
A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the ENTIRE ROOT.



Price, 75c.

### All-Steel Weeder

With short and long handles.  
20c. and 30c.



### Window Flower Box

### Rubber Plant Spray

For sprinkling plants, flowers, clothes, etc. Easy to fill. One turn of cap removes same. Angle neck, \$1.00; straight neck, 85 cts. Small 50c.



### Baskets

For holding leaves and other garden work, etc. 75c. up.

MADE IN U.S.A.

### Hole in One Planting Tool

Price 50 cts.



### Hose Nozzles

Made of heavy brass. Can be adjusted to throw a coarse or a fine stream, also shuts off absolutely tight.

Price 50 cts.

### Garden Lines

#### Braided

Will not kink.  
100 feet.

### Hotbed Mats

76x76 inch, covers two sash. Made of heavy cotton or duck filled and quilted.

### Glass-Cloth Cello-Glass

Hypocane  
Dandelion  
and Weed  
Cane. Price  
\$1.50.



### Ball-Bearing Water-Ballast Lawn Roller

By filling its hollow drum with water (use hose or bucket and funnel), you can adjust the roller **any weight** desired.

Equipped with Counterpoise Handle and Roller-Bearing

	Net Prices	Weight empty	Weight filled with water	Price
1 Section . . . . . 24 inches . . . . . 18 inches . . . . . 75 lbs . . . . . 330 lbs . . . . .				\$13.50
1 Section . . . . . 24 inches . . . . . 24 inches . . . . . 100 lbs . . . . . 440 lbs . . . . .				15.50

#### Ball Bearing Cast Rollers

2 Sections . . . . . 24 inches . . . . . 20 inches . . . . . 300 lbs . . . . .	27.75
3 Sections . . . . . 30 inches . . . . . 20 inches . . . . . 350 lbs . . . . .	33.00

### The Perfect Garden Label

Mark with ordinary lead pencil

Permanently legible without protection in all weathers, all soils, all seasons. Ample horizontal marking space. Attractive shape. Beautiful gray green color blending with the garden. Reliable for fall planting. Will not float away in spring thaw.

Show Rock Garden

	Border Size	Garden Size	Size
12 Labels . . . . .	\$1.00	\$1.25	\$0.90
25 Labels . . . . .	2.00	2.50	1.75
100 Labels . . . . .	7.75	9.50	6.75
1000 Labels . . . . .	75.00	90.00	65.00

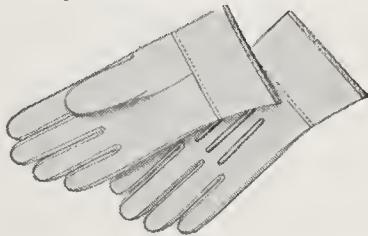
500 Labels at the 1000 price.

#### TIE-ON LABEL—POT LABEL

100 Labels . . . . .	\$3.00	100 Labels . . . . .	\$2.50
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### National Eezy Wear HOME UTILITY Gloves



Soft, Pliable, Durable, Speci-  
ally adapted for general home  
use: Housework, Garden, Car,  
Garage, Furnace. Soft as Kid  
Tough as Iron  
Ladies', Men's.  
Price 75c pair

Kreme Skin. Pair . . . . . \$1.00

### "Adjusto" Plant Support

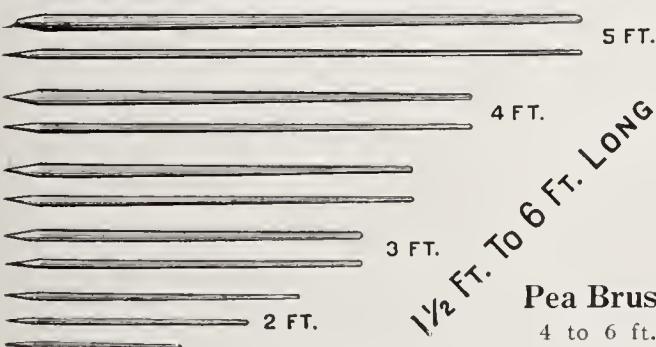
It is adjusted in a "jiffy" to any height to conform to the plants' growth. It is indispensable for Tomatoes, Roses, Hydrangeas and Dahlias.

The stake is made of hard wood and heavy spring wire painted green. 3 feet, each 20c, doz. \$1.90. 4 feet, each 25c, doz. \$2.15. 5 feet, each 30c, doz. \$2.40.

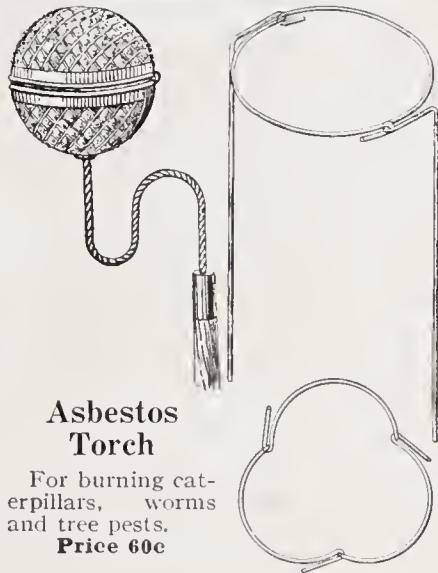
Small sizes, suitable for small, potted plants, Carnations, etc. 18 inches, each 10c, doz. 90c. 24 inches, each 12c, doz. \$1.10.

### Wood Pot Labels Painted

Per 1000	Per 1000
3½-in. Copper wired tree. 40c. per 100	5-in. . . . . \$2.25
\$2.50	6-in. . . . . 2.50
4-in. . . . . 2.00	8-in. . . . . 75c. per 100
4½-in. . . . . 2.15	12-in. . . . . \$1.00 per 100



Pea Brush  
4 to 6 ft.



### Asbestos Torch

For burning caterpillars, worms and tree pests.

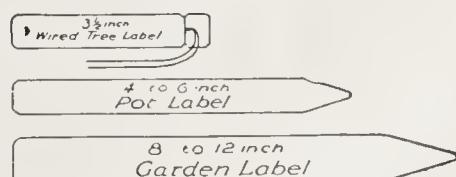
Price 60c

### Wire Peony Supports

Price 50 cts. each  
\$5.50 doz.

### Weatherproof Lead Pencils, Black

10 cts. each

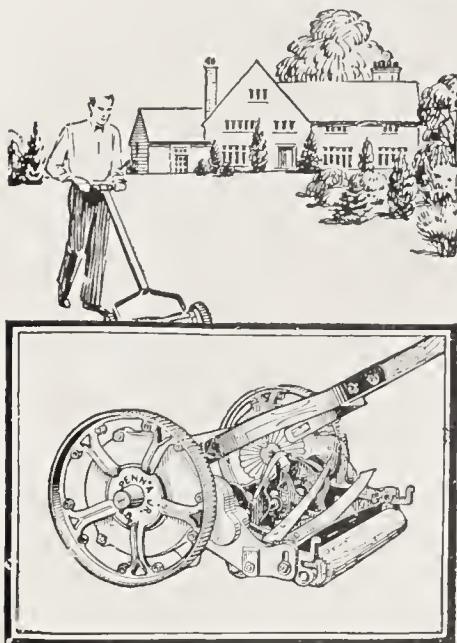


### Wooden Plant Stakes Painted Green

	Doz.	100
Light, Round, Tapering. 2 feet.	\$0.45	\$ 2.90
3 feet.	.80	5.65
4 feet.	1.20	8.40
5 feet.	1.50	10.95

	Doz.	100
Heavy, Round, Tapering. 4 feet.	1.50	11.95
5 feet.	2.00	15.35
6 feet.	2.50	18.80



## THE GREATEST LAWN MOWER IMPROVEMENT IN YEARS

### Cyclemower The Perfection of Lawn Mowing Machines, Equipped with the new Self-Adjusting, High-Grade Ball-Bearings

Driving wheels are 10 inches in diameter. It has patent convex revolving knives which are run at high speed and are made of the best crucible steel, hardened and tempered by an entirely new process. The stationery knife is of best crucible steel with lipped edge against which the revolving knives shear. The pawls are hardened cast steel and are warranted to last as long as the pinion and never to slip, thereby leaving streaks in the lawn. The mower runs almost noiselessly and is warranted to give every satisfaction to the most critical user. **Prices**, 14-in. \$10.25, 16-in. \$11.75, 18-in. \$13.25, 20-in. \$14.75.

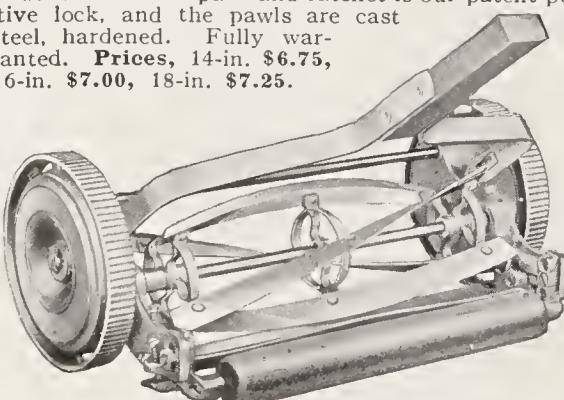
### High-Wheel Universal Lawn Mower

#### 9-inch Wheels, with the New Self-Adjusting Ball Bearings

A first-class, high-wheel lawn mower at a popular price. Four patent convex revolving knives giving continuous cut. 9-inch driving wheels. The pawl and ratchet is our patent positive lock, and the pawls are cast steel, hardened. The stationery knife has lipped edge against which the revolving knives shear and is hardened by a new process, making the mower self-sharpening. **Prices**, 14-in. \$8.00, 16-in. \$8.75, 18-in. \$9.50.

### Special Yankee Universal Lawn Mower

A high-wheel lawn mower at a low price. Four revolving knives running at high speed, giving continuous cut. The pawl and ratchet is our patent positive lock, and the pawls are cast steel, hardened. Fully warranted. **Prices**, 14-in. \$6.75, 16-in. \$7.00, 18-in. \$7.25.



## Super Great American Lawn Mower

It is the best all around mower of its type made. Ball bearings make easy running, and self sharpening tool steel blades mean that your *Great American* is always in perfect condition. You will rejoice in its uninterrupted service. 17-in. \$19.00, 19-in. \$21.00.

**OLD STYLE GREAT AMERICAN LAWN MOWER.** 17-in. \$17.00, 19-in. \$19.00.

## Pennsylvania Junior

### Ball Bearing

#### Perfection in Lawn Mower Construction

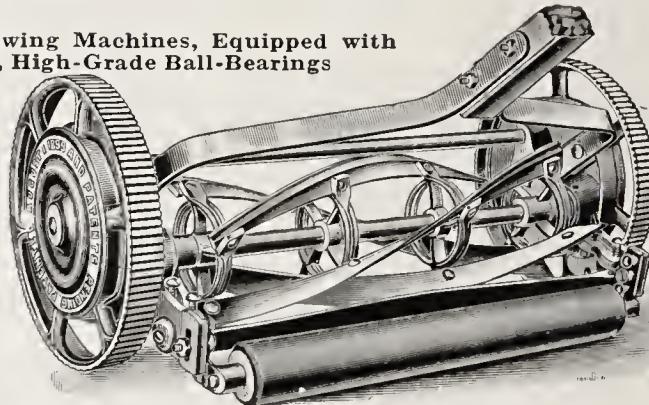
Five blades of crucible tool steel, oil-hardened and water-tempered. Lower knife, raised edge pattern, is made of the same steel, and is of such construction as to make it self-sharpening until entirely worn out.

**Braun** Self-aligning Ball Bearings, spring-covered oil cups. Double train of cut gears, one on each side, insuring smooth work on the uneven lawn. High wheels (10-in.), five blades, 6-in. cylinder. 17 in. \$22.00, 19 in. \$25.00.

## Pennsylvania High Wheel Lawn Mower

### 10½ INCH WHEELS

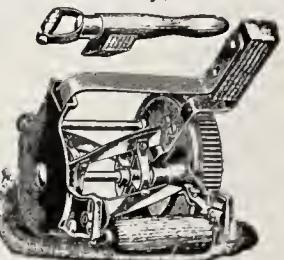
For parks, cemeteries, golf grounds and large lawns, this mower has made for itself an enviable record for durability and quality of work done. With 10½-in. wheels, rear cut and train of gears, it is adapted to either the smoothest lawns or to grounds that are irregular, cutting unwieldy grass, or velvety lawns in a most satisfactory manner. 17-in. \$22.00, 19-in. \$25.00.



## Universal Lawn Trimmer

Cuts every blade of grass left by the lawn mower close to buildings, fences, walls, shrubbery, etc. Dispenses entirely with hand grass hook. Time saved will pay its cost in one season. **Self-adjusting, ball-bearing.**

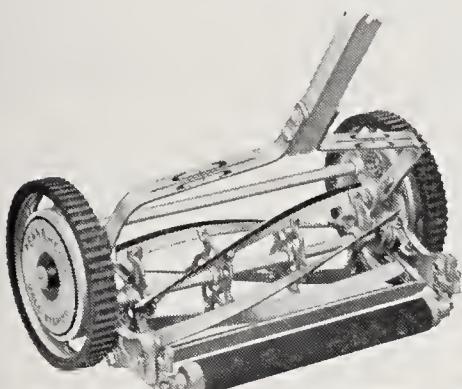
Self-sharpening wiper blades, cutting to one-eighth of an inch of end of trimmer. Sold on its merits. Satisfaction guaranteed. **Price**, \$5.85.



## Grass-Catchers

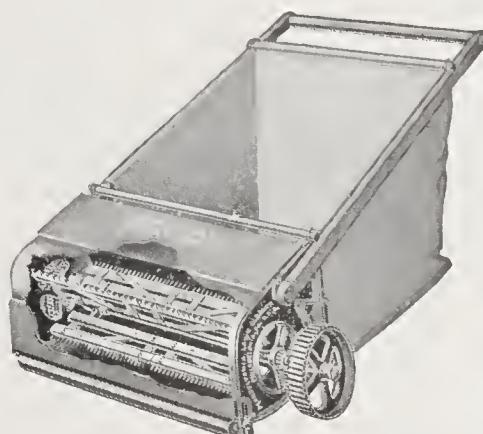
To Fit All Makes of Mowers  
Price, \$1.25 upwards





### The Penna-Lite

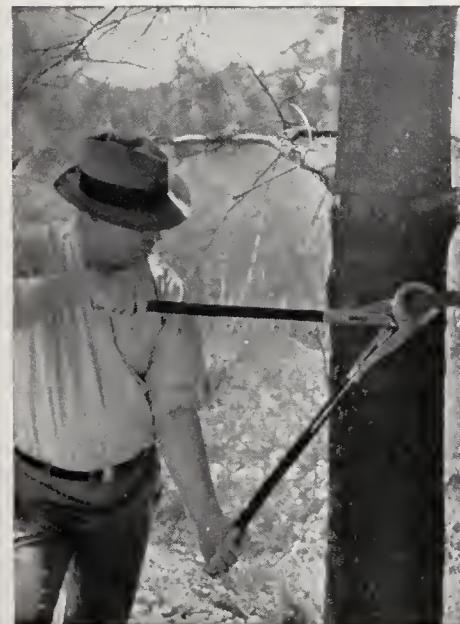
The Aluminum Lawn Mower with rubber tires and roller. The Feather Weight Champion. 17 inch. Price \$17.50.



The **PENNSYLVANIA LAWN CLEANER and SWEEPER**. Easy to operate and one man can do more and better work than four men with hand rakes.

The brushes are recommended for removing worm-casts from putting greens where a smooth surface is essential. Always specify "rakes" or "brushes" when ordering.

**Price** with either Rakes or Brushes \$30.00. Extra Brushes or Rakes (per set of three) \$7.00.



#### Forest Pruning.

##### PORTER-POINTCUT PRUNER

Cuts closer, easier and cleaner than any other pruner made. Patented features. **Price \$4.50 each.**

##### No. 1 FORESTER

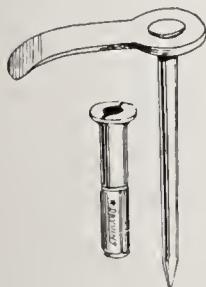
20 in. long—Capacity 1 3-16 in.—Weight 2 lbs. 10 oz. **Price \$4.25 each.**

##### No. 2 FORESTER

27 in. long—Capacity 1 1/2 in.—Weight 4 lbs. 10 oz. **Price \$5.50 each.**

##### No. 3 FORESTER

34 in. long—Capacity 2 in.—Weight 7 lbs. 4 oz. **Price \$7.00 each.**



#### VYN-TACH-HOOKS

Attach Climbing Roses and other Vines easily to Masonry and Wooden surfaces.

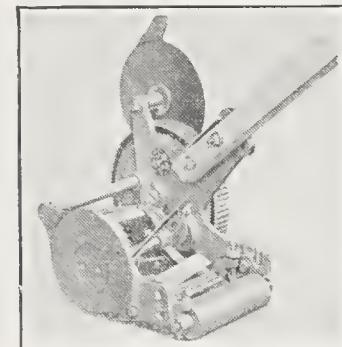
Box containing 25 Hooks, 25 Dryvins, Drill Point and Holder. **Large \$2.25. Small \$2.00.**

Box containing 25 Hooks, 25 Dryvins. **Large \$1.50. Small \$1.25.**

Write for prices on large quantities.

### SPIKE-DISC

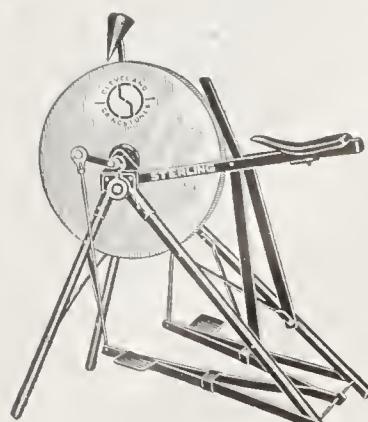
Lawn and Green Cultivators No. 30, width 18 in. **Price \$27.50.**  
Other Models \$15.00 upwards.



**Pennsylvania-Trimmer and Edger.** Lawn accessory that saves time and labor. **Price \$9.00.**

### EARTH-AUGER

For Feeding Trees and Shrubs. **Price \$3.00.**

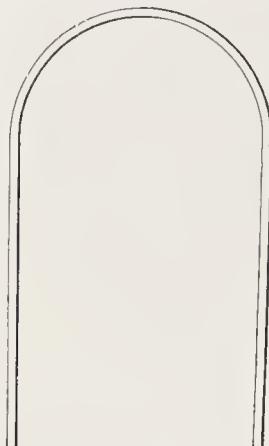


#### Grindstones

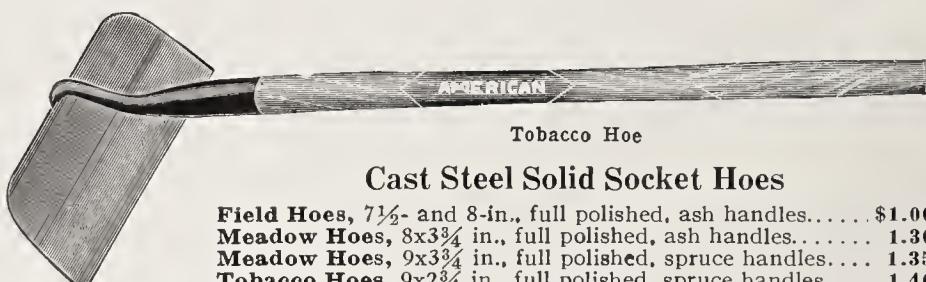
**Sturdy Tubular Steel Frame**  
Fully equipped, \$12.00

### SHRUBBERRY PROTECTOR

Makes the dogs visit to all shrubs and plants so uncomfortable that he keeps away. So constructed that it cannot harm the dog. **Price \$1.95 per dozen.**



Heavy Lawn and Garden Wickets



### Cast Steel Solid Socket Hoes

<b>Field Hoes</b> , 7½- and 8-in., full polished, ash handles.....	\$1.00
<b>Meadow Hoes</b> , 8x3¾ in., full polished, ash handles.....	1.30
<b>Meadow Hoes</b> , 9x3¾ in., full polished, spruce handles.....	1.35
<b>Tobacco Hoes</b> , 9x2¾ in., full polished, spruce handles.....	1.40
<b>Tobacco Hoes</b> , 10x2½ in., full polished, spruce handles.....	1.50
<b>Tobacco Hoes</b> , 11x2½ in., full polished, spruce handles.....	1.70

### Cast Steel Solid Shank Hoes

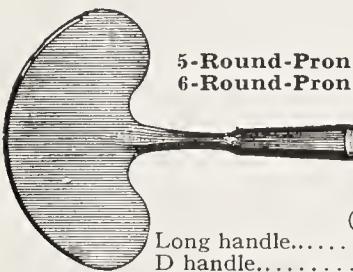
<b>Field Hoes</b> , 7½ and 8 in., full polished, ash handles.....	\$0.90
<b>Street or Mortar Hoes</b> , 10x6 in., full polished, 6-ft., ash handles.....	1.45
<b>Ladies' Hoes</b> , 5-in., full polished, ash handles.....	.85

**Square Top Onion**, 7x1¾ in., ash handles..... .95



Planet, Jr.  
Turf Edger

Price, \$1.50.



Scythe-  
Stones

### Socket Turf Edger

(Solid Steel Blade and Shank)

Long handle.....	\$1.05
D handle.....	1.05

Grass  
Hook  
35c. up



### Ely's True Temper Cast Steel Garden Rakes

Polished	Black
12-tooth.....	\$1.00
14-tooth.....	1.10
16-tooth.....	\$1.35
18-tooth.....	1.50
	1.20
	1.30

### Cast Steel Gravel Rakes

This rake is finer and has shorter teeth than the garden rakes.

16-tooth.....	\$1.45	18-tooth.....	\$1.60
---------------	--------	---------------	--------

### Medium-Sized True Temper Cast Steel Garden Sets

Especially adapted for ladies' and boys' use. Quality and finish same as full-sized tools. Comprising Steel Spading Shovel, Boys' Steel Spading Fork, Light Steel Hoe and Six-toothed Forged Steel Rake. Only in complete sets. Price, \$2.65 per set.

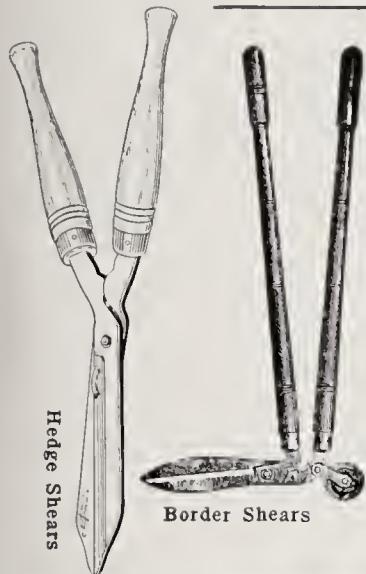
### Norcross Cultivator-Hoe and Weeder

There is no type of garden implements known that will compare with the "Norcross" line. It has a place of its own, so important that a trial only is necessary to demonstrate its superior qualities. We, therefore, make it a "money-back" proposition; that is, if after a thorough trial it is not satisfactory, return it and get your money back.



5-prong Cultivator-Hoe, 4-ft. handle, weight, 3 lbs.....	\$1.00
3-prong Cultivator Hoe, 4-ft. handle, weight, 2 lbs.....	.90
3-prong "Midget," 9-in. handle, weight, 12 ozs.....	.50
Midget Weeder, by parcel post.....	.55





BORDER, LAWN AND HEDGE SHEARS		English Style
6-in. Hedge Shears.....	\$1.60	...
8-in. Hedge Shears.....	1.85	\$3.00
9-in. Hedge Shears.....	2.00	3.25
10-in. Hedge Shears.....	2.25	3.75
9-in. Border Shears, with wheel....	3.50	
10-in. Border Shears, with wheel....	4.00	
9-in. Border Shears, without wheel	3.00	
10-in. Border Shears, without wheel	3.35	
9-in. Lawn Shears, with wheel....	3.50	
9-in. Lawn Shears, without wheel	3.00	

### Pruning Shears

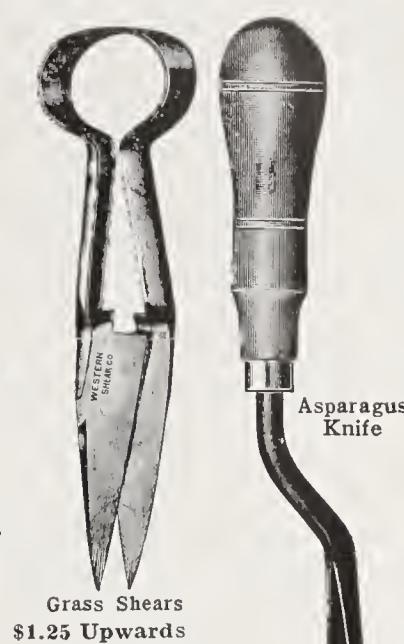
California Pattern, coil spring, 9-in.  
French, solid steel (imported), 7-in., 8-in., 9-in. **\$2.50 upwards.**  
Wiss, solid steel, 9-in.



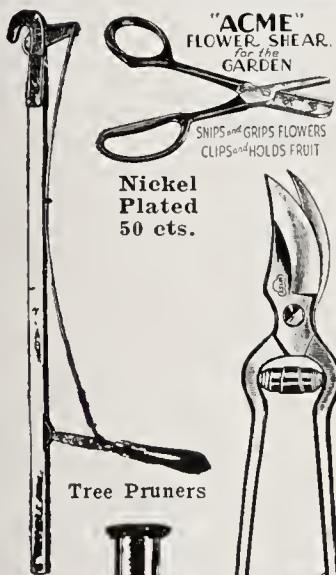
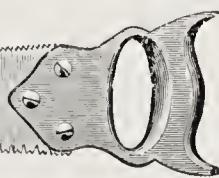
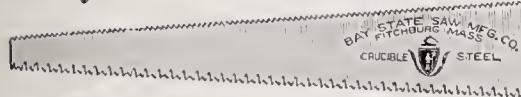
Reverse side of sharpener showing the adapters affixed.

### Mower Sharpener

Price  
65 cts.



\$1.25 Upwards



AN INDESTRUCTIBLE ALL METAL TOOL MADE OF QUALITY MATERIALS. WEIGHT 13 POUNDS OVERALL LENGTH 4 FT. PLATE 9 INCHES SQUARE. SPIKES 1 3/4 INCHES LONG.

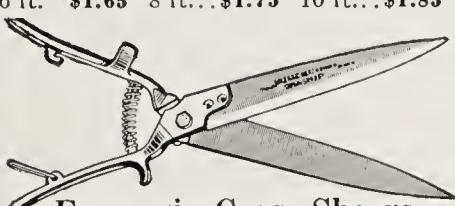
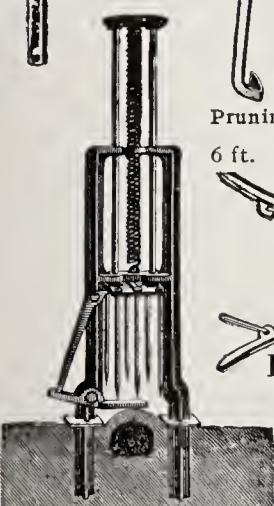
USED AS SPIKER



USED AS TAMPER

### Pole Tree Pruners

6 ft. \$1.65 8 ft. \$1.75 10 ft. \$1.85 12 ft. \$2.00

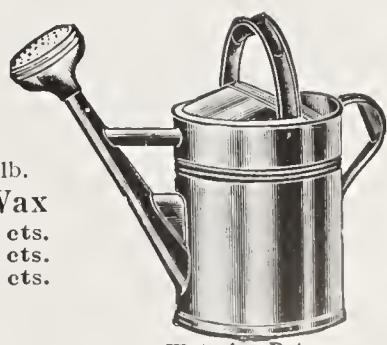


### Raffia

For tying.  
35 cts. per lb.  
Green, 75 cts. lb.

### Grafting Wax

1/4-lb. pkg. 20 cts.  
1/2-lb. pkg. 30 cts.  
1-lb. pkg. 50 cts.



### Asparagus Knife and Weed Digger

Drop-forged blade, birch handle,  
Each 35 cts.

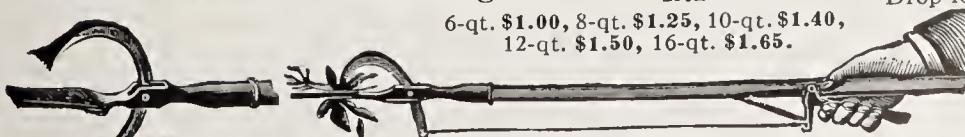
### EARTHENWARE FLOWER POTS

### CEDAR PLANT TUBS

See page 62

### Watering Pots Heavy Galvanized Iron

6-qt. \$1.00, 8-qt. \$1.25, 10-qt. \$1.40,  
12-qt. \$1.50, 16-qt. \$1.65.



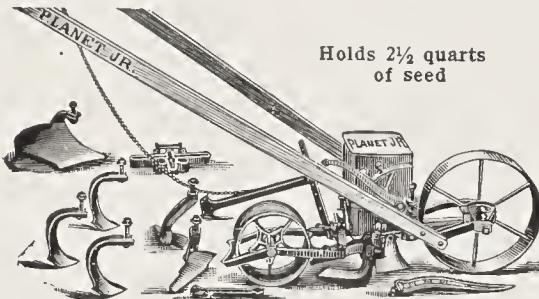
# Planet Jr. Garden Tools

The new "Planet Jr." catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

## No. 4 Combined Hill and Drill Seeder Wheel Hoe, Cultivator and Plow

Price, complete, \$16.00. As a seeder only, \$12.75.

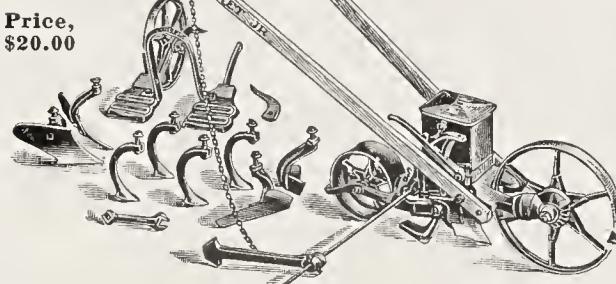
Plants in hills, 4, 6, 8, 12 or 24 inches apart. For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt.



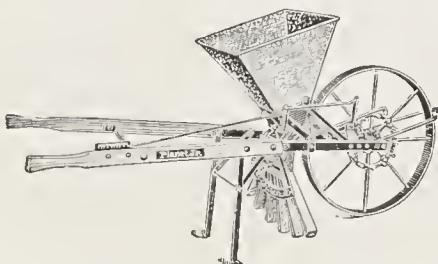
## No. 25 Combined Hill and Drill Seeder Double-Wheel Hoe, Cultivator and Plow

Holds 2 1/2 quarts of seed. Steel frame.

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical. Two acres a day can easily be worked with this implement and when it is done it will be a better job than several men could have done in the same time with hand hoes.



## Planet Jr. Fertilizer Distributor No. 220



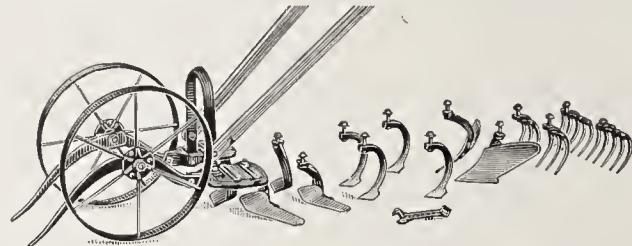
Capacity one bushel. Will distribute from 200 to 2000 pounds of commercial fertilizer to the acre. Six adjustable spouts spread it from 4 to 30 inches. Equipment includes plates for closing up four spouts or two or three spouts on either left or right side. Hopper placed well forward over wheel making lighter load and easier pushing. Feed can be opened and closed without stopping. Positive agitation.

Price, \$24.75

## No. 11 Double-Wheel Hoe, Cultivator, Plow and Rake

Price, \$12.25

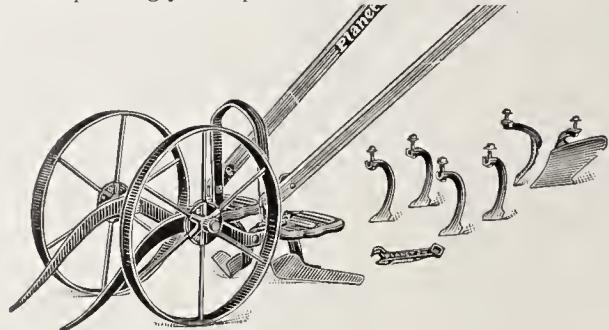
All our wheel hoe tools are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high-carbon steel, oil-tempered, finely formed, finished and polished and work to a charm.



## No. 12 Double-Wheel Hoe, Cultivator and Plow

Price, \$9.75

This tool is identical with No. 11 wheel hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters only, and is sold at a correspondingly less price.



## No. 13 Double-Wheel Hoe

Price, \$7.25

This tool is the No. 12 with 6-inch hoes only.

## No. 16, Single-Wheel Hoe, Cultivator, Rake and Plow

Price, \$8.00

In Nos. 16, 17 and 18 the wheels, frames and handles are alike, but the attachments sold with each vary.



## No. 17, Single-Wheel Hoe

Price, \$7.00

Has a pair of 6-inch hoes, a plow and a set of cultivator teeth—an outfit sufficient for most garden work.

## No. 18, Single-Wheel Hoe

Has one pair of 6-in. hoes only. Price, \$5.25.

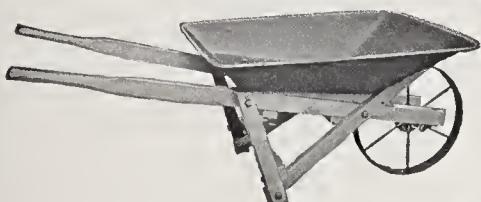
### "Charter Oak" Wheelbarrows

Made of selected thoroughly seasoned timber, well put together, braced and bolted. Full sized iron-hub wheels on steel axles, all nicely painted green.

#### Net cash prices:

No. 64. Medium.....	\$6.75
No. 65. Medium, large.....	7.25
Wide Wheel.....	7.25
Boys' Garden. Sturdy and strong.....	5.75

### Railroad or Canal Wheel- barrows Price \$4.00



### Steel Tray Barrows

For Conveying Concrete, Mortar, Sand, Gravel, Cement, Fertilizers, Manure, etc.

Capacity,  $3\frac{1}{2}$  cu. ft. Weight, 62 lbs. Price, \$7.35.

### Steel Goods

Our department in this line embraces a larger variety than shown in this catalogue and you can depend on quality as well as reasonable prices. We invite your inquiries.



Mattocks  
and Picks  
\$1.00 upwards



### Sectional Flower Garden Fence and Plant Support

Made in individual sections; snaps together with hooks. Can make any yardage of fence or any kind of a support. One of the most important and useful accessories for the lawn and garden. Very attractive.

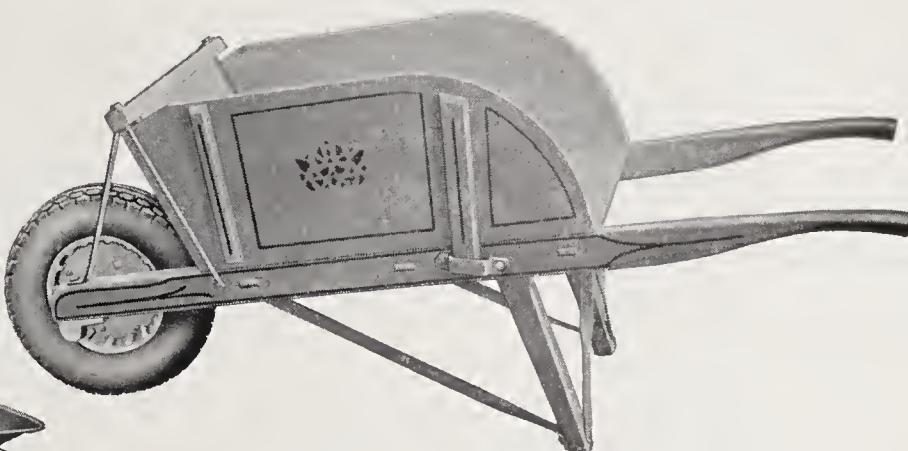
24 in. high, 16 in. wide.....	Doz.	100
30 in. high, 16 in. wide.....		\$1.25
36 in. high, 16 in. wide.....		1.50

Doz.	100
	\$ 8.75
	1.50
	1.75

\$ 8.75

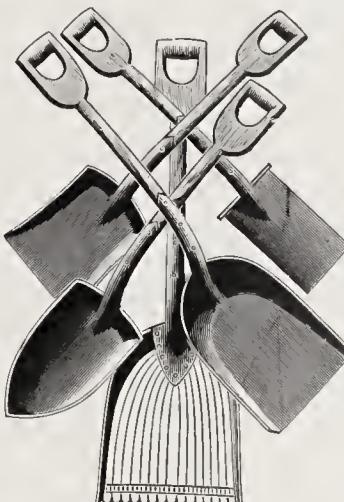
10.25

12.00

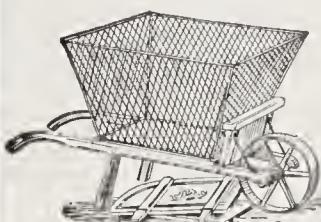


### Pneumatic Tired Wheelbarrows

Used extensively where the ordinary tires cut the earth. Price, \$12.50. \$13.00 complete.



No. 106 Thompson Golf Special  
Grass Seed Sower..... \$25.00  
No. 5 Grass Seeder, 14 ft. hopper. 15.25  
No. 4 Grain Seeder, complete... 15.25  
Grain Seed Hopper only..... 9.50



### Leaf Rack

Capacity 10 Bushels for  
gathering leaves, cutgrass  
and rubbish. Price, not  
including wheel-barrow.  
\$7.75.

## SYRACUSE STEEL-BEAM PLOWS

# FERTILIZERS

NOTICE: All Prices are subject to change without NOTICE.



## Soiltex

An accurate test outfit for soil reaction—neutral or acid, and the degree of acidity—is shown by Soiltex with one short operation. Complete outfit \$1.00.

## Cattle Manure

Shredded and dried and therefore considerably more concentrated than as it comes from the stable. 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.85.

## Fine Ground, Strictly Pure Bone—

Pure bone is a most valuable fertilizer for all crops and plants. It can be applied at any time in any quantity desired without danger of doing harm to plant life. As it is not soluble in water and comes into use only by organic decay it is much slower in action than the chemical fertilizers, but retains the effects in the soil correspondingly longer. Use for lawns and grass plots about three pounds to each square rod, or fifty pounds for 100 feet by 50 feet. 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

## Fine Ground Knuckle Bone. Absolutely Odorless

The grade we handle is strictly pure, ground from the knuckle bones, free from meat and marrow, therefore as odorless as flour. Use for lawns and grass plots about three pounds to each square rod, or fifty pounds for 100 feet by 50 feet. 5 lbs. 50 cts., 10 lbs. 85c., 25 lbs. \$1.35, 50 lbs. \$2.10, 100 lbs. \$3.95.

## Corn, Grain and Grass Top-Dressing

This superior dressing acts gradually throughout the entire season, producing a luxuriant growth of grass of a rich, velvety green color. This fertilizer also gives excellent results for seeding to grass; use 400 to 500 pounds to the acre at the time of seeding. Use for top dressing lawns three pounds to each square rod or fifty pounds for a plot 100 by 50 feet. 5 lbs. 35 cts., 25 lbs. \$1.00, 50 lbs. \$1.70, 100 lbs. \$3.00.



## Rose Food Gro-fast Product

The nitrogen is derived entirely from organic sources. Roses require a sweet soil for best results and fertilizer should be used that has a non-acid reaction. Use handful around each bush. 5 lbs. 75 cts., 25 lbs. \$2.75, 50 lbs. \$3.75, 100 lbs. \$6.00.

## High-Grade Vegetable Compound

This is a complete manure, particularly adapted for the requirements of the market gardeners, also for use in the kitchen garden. It contains well judged proportions of ammonia, phosphoric acid and potash. Magnificent yields of Potatoes and vegetables have been produced with this compound. 5 lbs. 30 cts., 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.75.

We can quote special prices on carload quantities

## Sheep's Head Brand Pulverized Sheep-Manure

This is a pure, natural manure, the best and strongest in fertilizing and enriching elements of all nature's fertilizers, containing nitrogen, phosphoric acid and potash in liberal proportions. As a top dressing for lawns, tennis courts and golf greens it has no equal; further, there is nothing better for the flower and vegetable garden. It can be applied at any time of the year without injury to the plant or foliage. Its effect is immediate, much more lasting and healthy than commercial fertilizers, or any other manure. For mixing with soil, use one part manure to six parts soil; for making a liquid, use one pound manure to five gallons of water; this can be used with safety daily if necessary. For top dressing grass use about 200 pounds for 25 square rods (equal to a plot 100 by 65 feet), 5 lbs. 35 cts., 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.85, 500 lbs. or more, special prices on application.

## Hydrated Agricultural Lime

Much used as a corrective for improper soil conditions, especially as a neutralizer for acid soils. Most vegetables are benefited by using lime. Apply at the rate of 15 lbs. to each square rod. 5 lbs. 25 cts., 10 lbs. 35 cts., 25 lbs. 50 cts., 50 lbs. 75 cts., 100 lbs. \$1.35.

**SALT.** For agricultural purposes and Asparagus beds, apply 600 to 800 pounds to the acre. 50 lbs. 90 cts., 100 lbs. \$1.50.

## Aluminum Sulphate

Used in encouraging the growth and creating an acid soil in which Azaleas, Rhododendrons and similar plants are planted. Use one pound to 10 square feet of surface. 5 lbs. 50 cts., 10 lbs. 85 cts., 25 lbs. \$1.50, 50 lbs. \$3.00, 100 lbs. \$5.00.

## GRO-FAST Plant Food



A scientifically prepared formula, rich in organic nitrogen and other plant food, the elements designed to supply a balanced ration and build up the soil.

Recommended for lawns, flowers, shrubberies, vegetable gardens, potted plants, etc. Apply evenly at the rate of 4 pounds per 100 square feet on lawns and water thoroughly. In the garden use at the same rate, working Gro-Fast thoroughly into the soil. Packed in 5 and 10 lb. packages and 25, 50 and 100 lb. paper lined cotton bags.

5 lbs. 50 cts., 10 lbs. 85 cts., 25 lbs. \$1.60, 50 lbs. \$2.75, 100 lbs. \$4.75.

## Ammo-Phos 20-20

Supplies nitrogen and phosphoric acid for lawns and vegetables. Discourages weeds and Dandelions in lawns and encourages grass growth.

5 lbs. 50 cts., 10 lbs. 80 cts., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.50.

## Hubbards Golf Green Fertilizer

8-6-2

With the long-lasting organic "balanced food" content for Lawns. 100 lbs. \$4.50. Write us for quantity prices and literature.

## Nitrate of Soda

A stimulant to all plants. Use it with care, 1½ oz. per square yard, as a liquid fertilizer, 1 oz. dissolved in 1 gallon of water.

5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.00, 50 lbs. \$1.85, 100 lbs. \$3.25.

## Sulphate of Ammonia

### SUPERFINE-NON-LUMPING

Feeds the grass and starves the weeds. An extra processed Sulphate that makes beautiful lawns, greens and fairways. Readily available and not easily leached from the soil. 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.00, 100 lbs. \$3.25.



Everything a dog needs for food except water

DRY—  
SHAMPOO  
and  
DEODORANT  
for  
DOGS & CATS

Trial size....25c  
Large size....50c

PRICES	
2 lb. can....	25c
4 lb. can....	45c
10 lb. can....	90c
25 lb. sack..	\$2.25
100 lb. sack..	8.00



USE  
**DOGGLOW**

**PIONEER**

TRADE  
MARK  
GPM

**PEAT MOSS**

Pioneer GPM Peat Moss is preferred by hundreds of professional florists and nurserymen, for they know through experience that it is the finest substitute soil medium that money can buy. No other medium on the market can accomplish the beneficial results that GPM always does.



We invite inquiry booklet and information upon request. Large bale (12 cubic feet, 20 bushels, and covers 240 sq. ft. 1 in. deep) \$3.25; small bale, trial size, \$1.50. We can supply 1 bale or carload promptly

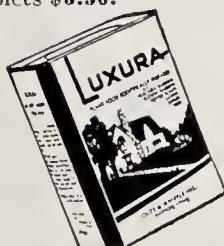
**Gater Hide Mulch Paper**

**STIM-U-PLANT**

**PLANT STIMULANT TABLET**

**Plant Food in Tablet Form**

Complete directions enclosed in each package. 30 tablets 25c., 100 tablets 75c., 500 tablets \$2.50, 1000 tablets \$3.50.



5 lbs.	\$ .60
10 lbs..	1.00
25 lbs..	2.00
50 lbs..	3.50
100 lbs..	6.00

**LUXURA**  
THE SEASON-LONG PLANT FOOD



**Driconure** is radically different, combining advantages that cannot fail to interest you because of their practical value.

- is a turf dressing unlike any substitute medium.
- is cow manure on a peat moss base, dehydrated.
- is easy to apply and easy to handle.

Packed in bags weighing about 50 lbs. 5 lbs. 50c. 3 to 3½ bushels in bulk, \$2.75.

### SORBEX

Sorbex will correct hard, baked condition of turf quicker, cheaper and with more lasting results than any other product. When worked into the soil it will lighten heavy clay soils and bind sandy soils.

Packed in paper-lined sacks of 10 bushels; when loosened, weight 80 to 90 lbs. Per sack, \$2.75.

### ADCO

#### Turn Garden Refuse Into Manure

Adco is a powder which when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure free from foul odor, flies, weed seeds, etc.

Adco can be had in packages of various sizes, designed to meet the needs of everything from the smallest garden to the greatest plantation.

Adco, in 25 lb. bags (enough for 12 wheelbarrow loads of garden waste, making ½ ton of manure), \$2.00.

Adco, in 100 lb. bags (4-25's) (enough for a heap 8 ft. x 8 ft. x 6 ft., making about 2 tons of manure), \$7.75.

Adco, in 150 lb. bags (enough for a heap 10 ft. x 10 ft. x 6 ft., making about 3 tons of manure), \$10.50.

### Adco Weed Killer

**A Weed Killer for Lawns.** A powder that eradicates weeds and at the same time stimulates the grass to a richer growth. One pound is enough for 100 sq. ft. Descriptive circular on request. 3-lb. can 85c., 25-lb. bag \$3.75.

### FLORANID (UREA)

1 lb.....	\$0.30	5 lbs.....	\$ 1.00
10 lbs.....	1.75	25 lbs.....	3.00
50 lbs.....	5.50	100 lbs.....	10.00

### LOMA

Prepared Plant Food. 5 lbs. 45 cts., 10 lbs. 85 cts., 25 lbs. \$1.60, 50 lbs. \$2.75, 100 lbs. \$4.50.

### Bovung

**Bovung** is dried cow manure. It contains the chemical value of fertilizer with the organic value of manure. 50-lb. bag \$1.75; 100 lbs. \$3.25.

### NITROPHOSKA

15—30—15  
**THE COMPLETE CONCENTRATED FERTILIZER**

1 lb.....	\$0.30	5 lbs.....	\$1.00
10 lbs.....	1.75	25 lbs.....	3.00
50 lbs.....	4.75	100 lbs.....	7.50

**VIGORO**  
Specially prepared plant food

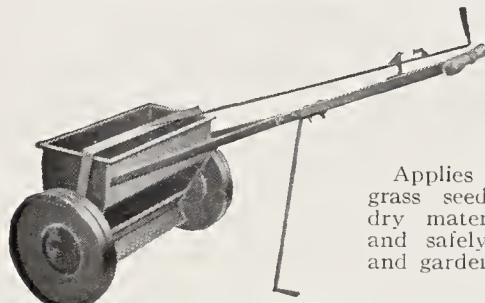
5 lbs.....	\$0.45
10 lbs.....	.85
25 lbs.....	1.60
50 lbs.....	2.75
100 lbs.....	4.50



**Germaco**  
**Hotkaps**  
New Method of  
Plant Protection

1000 lots **\$9.75**, 5000 lots **\$9.65** per 1000,  
10,000 lots **\$9.55** per 1000, 250 trial package, including garden setter with tamper, **\$3.65**; 100 home package, including garden setter with tamper, **\$2.40**; Germaco Hotkap steel setter with tamper, **\$1.50**; postage extra. Weights: 1000 package Hotkaps, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap setter, 3 lbs.

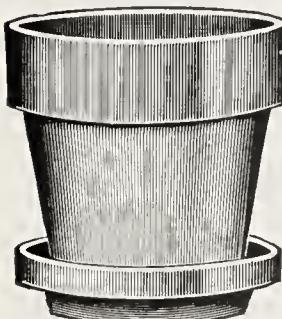
**HANDY FERTILIZER DISTRIBUTOR**



Applies Fertilizer, grass seed or any dry material evenly and safely to lawns and gardens.

**PRICES**

1 6-in., **\$12.00**      24-in., **\$16.50**      36-in., **\$22.50**



**CLAY POTS AND SAUCERS**

Inside measurements, width and depth equal.

**STANDARD FLOWER POTS, EARTHEN**

Height and diameter are the same.

Dia. in in.	Ea.	Per Doz.	Dia. in in.	Ea.	Per Doz.
2 1/2	<b>\$0.03</b>	<b>\$0.30</b>	7	<b>\$0.20</b>	<b>\$2.10</b>
3	.05	.40	2.50	.30	3.25
4	.07	.55	3.75	.40	4.25
5	.10	.85	6.80	.60	6.50
6	.15	1.25	10.00	1.25	13.00

**SAUCERS, EARTHEN**

Dia. in in.	Ea.	Per Doz.	Dia. in in.	Ea.	Per Doz.
3	<b>\$0.05</b>	<b>\$0.40</b>	7	<b>\$.15</b>	<b>\$1.25</b>
4	.06	.50	2.90	.15	1.50
5	.07	.60	3.75	.20	2.00
6	.10	.85	5.75	.30	3.25

12      .40      4.50



**STEWART ELECTRIC CLIPMASTER**  
Price **\$16.95**

**Bird's IMPROVED NEPONSET Flower Pots**



**NEPONSET RED**

For storage, transplanting and shipping.

Doz.	100	1000
2 1/2 in...	<b>\$0.15</b>	<b>\$0.55</b>
3 in...	.20	.75
3 1/2 in...	.25	1.00
4 in...	.30	1.25

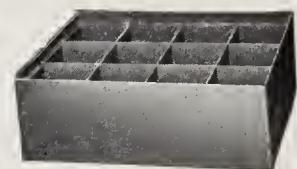
**NEPONSET GREEN**

Especially adapted for growing.

Doz.	100	1000
2 1/2 in...	<b>\$0.20</b>	<b>\$0.85</b>
3 in...	.25	.95
3 1/2 in...	.30	1.10
4 in...	.35	1.35

**NEPONSET PLANT BOXES**

The Neponset Plant Box consists of twelve 2-in. Plant Bands and a container made of a special heavy waterproof composition. Ideal container in which to grow such plants as Tomatoes, Asters, etc. Each **15 cts.**, dozen **\$1.50**, 100 **\$10.80**.



**ROUND SEED OR BULB PANS, EARTHEN**

Dia. in in. Ea.	Per Doz.	Dia. in in. Ea.	Per Doz.	Dia. in in. Ea.	Per Doz.
6	<b>\$0.15</b>	1.25	<b>\$1.00</b>	10	<b>\$.60</b>
8	.30	3.25	24.00	12	1.25

**CYPRESS—GREENHOUSE FLATS**

**18 in. x 11 1/2 in. x 2 1/2 in.**  
Convenient size for starting seeds. **25 cts.** each. **\$2.75** doz.

**HEAVY CEDAR PLANT TUBS**

For growing Century, and other large plants. Made of the best red cedar, painted green, iron handles.

No.	Out- side Top	Out- side side	Each
Dia.	Height	Each	
1...	28	22	<b>\$16.25</b>
2...	26	20	<b>13.50</b>
3...	24	18 1/2	8.75
4...	22	17	6.75
5...	20	16	5.75
6...	18 1/2	15	4.50
7...	17	14	4.00
8...	16	13	3.45
9...	14	12	2.80
10...	12	9 1/2	2.15
11...	10 1/2	9	1.90
12...	9 1/2	8	1.55
13...	8	7	1.35



**BISCHOP WREN  
HOUSE**  
**\$2.10**

**Non-INFLAMMABLE CREAM POLISH**



**1/4** pint 20c., **1/2** pint, 30c.,  
pint 55c., quart 85c., gallon  
\$2.25 Also 30 and 55 gallon  
drums



**RUSTIC SEED  
FEEDER**  
**\$2.50**

CADWELL & JONES  
UNEXCELED BIRD

## Trumbull Electric Brooder

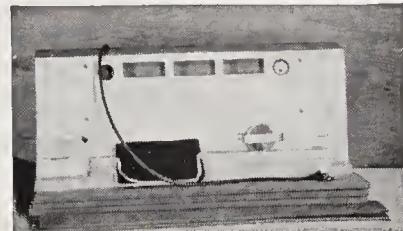
## Trumbull Electric Brooder Unit

FOODS  
Pep  
For Canary Birds  
Nestling Food  
Bird Wash  
A Germicide  
Ideal Song Restorer  
Bird Salve  
For Sore Feet  
Japanese and  
Natural Fish Foods  
Bird Balm  
For Bald Heads  
Bird Tonic  
For Birds in Captivity  
Bird Nesting  
Parrot Tonic, Etc.  
Sweet Recleaned  
Canary and Rape  
Large Russian  
Sunflower  
Millets  
Hemp  
Out-Door-Bird Mixture



Size	Chick Capacity	Connected Load Watts	Price
56 in....	350	550	\$33.00

Descriptive Catalogue on request.

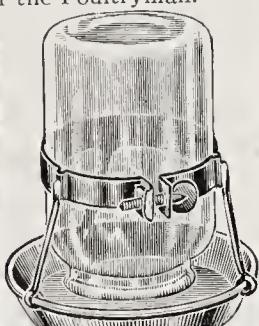
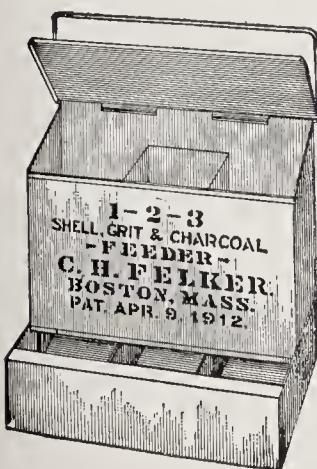


Designed to make the **Home Made Brooder**, 50-150 chick capacity easy and inexpensive. **Price \$7.50.** Descriptive Catalogue on request.

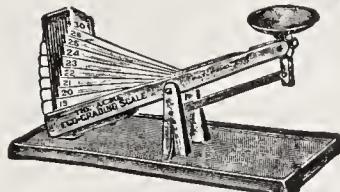
**"Junior" Chicken Feeder**

This is a practical, sanitary feeder and will not waste feed. Chicks cannot foul it. Can be used for dry mash, hard grain or water. Small, 30c. Large, 40c.

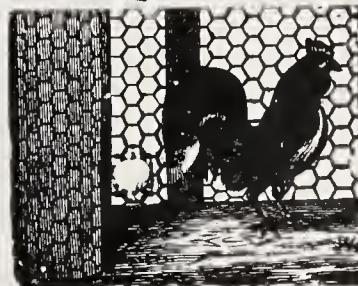
We carry a complete line of Feeders Founts, etc., for the Poultryman.



Handy Attachment for  
Water or Feed  
Aluminum



**The Acme Egg-Grading Scale. \$2.50**



**Galvanized Poultry Netting**

**Champion Leg Bands**

Made of aluminum in two sizes. Adjustable to fit any fowl. Can't lose off. **Price, postpaid, 25 for 25 ets., 100 for 60 ets.**

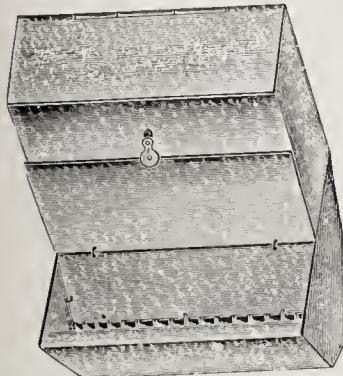
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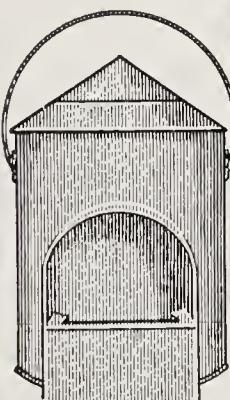
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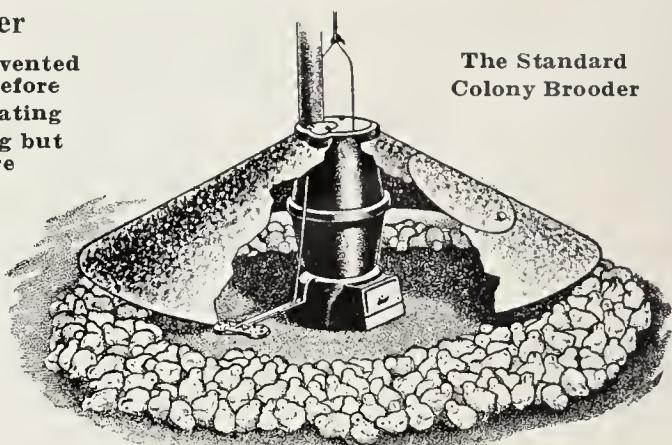
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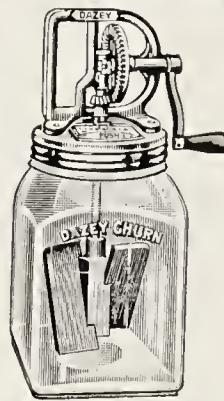
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